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1914-15

THE

University of Oregon

EUGENE

CATALOGUE, 1914-1915
Announcements, 1915-1916

PUBLISHED BY THE UNIVERSITY
APRIL, 1915

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SALEM, OREGON:
STATE PRINTING DEPARTMENT
1914

University of Oregon Bulletin

NEW SERIES APRIL, 1915 VOL. XII, No. 8

THE UNIVERSITY OF OREGON BULLETIN is published monthly during the University year, and will be sent free on application. Requests for Bulletins, or for general information in regard to the University, should be addressed to

THE REGISTRAR,
University of Oregon,
Eugene, Oregon.

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CALENDAR, 1915

JULY

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AUGUST

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SEPTEMBER

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CALENDAR, 1916

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MAY

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JUNE

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Days of regular session are printed in light face type. Saturdays, Sundays, holidays and vacations in dark face.

CALENDAR.

September 13—Admission examinations.
September 14 to February 4—First semester.
February 7 to June 14—Second semester.

CALENDAR IN DETAIL.

September 13, Monday.	Entrance examinations at Eugene for the College of Literature, Science and the Arts, and the College of Engineering. Examinations for removal of conditions.
September 14, Tuesday. September 15, Wednesday	First semester opens. Payment of incidental fees and registration. Filing of applications for undergraduate, graduate and special student standing, if such applications have not already been filed. Instructors keep office hours for consultation with the students.
September 16, Thursday.	All University work begins.
September 24, Friday.	Reception to the new students by the Christian Associations.
October 1, Friday.	Session of the School of Medicine begins in Portland.
October 1, Friday.	Freshman acquaintance party.
October 2, Saturday.	Student Body party.
October 6, Wednesday.	Regular meeting, Associated Students.
November 24, 12 M. to November 28, Sunday.	Thanksgiving recess.
December 6, Monday. December 7, Tuesday.	Examinations for removal of conditions.
December 11, Saturday.	Sophomore party, Gymnasium.
December 18, Saturday, to January 2, Sunday, inclusive.	Christmas vacation.

January 3, Monday.	Recitations begin 8 A. M., after Christmas holidays.
January 18, Tuesday.	Regular meeting of Board of Regents, Villard Hall.
January 21, Friday.	Last date for filing with Registrar subjects for Failing and Beekman orations.
January 31, Monday.	Mid-year examinations begin.
February 4, Friday.	First semester ends.
February 7, Monday.	Second semester begins.
February 12, Saturday.	Freshman party, Gymnasium.
February 22, Tuesday.	Washington's birthday. A holiday.
February 23, Wednesday.	Regular meeting, Associated Students.
April 8, Saturday. April 16, Sunday.	Spring vacation.
April 22, Saturday.	Preliminary tryout for Failing and Beekman orators.
April 22, Saturday.	Date for filing with the Registrar typewritten copies of the Failing and Beekman orations.
May 1, Monday. May 2, Tuesday.	Examinations for removal of conditions.
May 3, Wednesday.	Regular meeting, Associated Students. Annual elections.
May 12, Friday. May 13, Saturday.	Junior week-end holidays.
May 22, Monday.	Last date for filing graduate theses with the Registrar.
May 29, Monday.	Last date for filing senior theses with the Registrar.
May 30, Tuesday.	Memorial Day. A holiday.
June 5, Monday.	Final examinations begin.
June 7, Wednesday.	Graduating exercises of the School of Medicine.

COMMENCEMENT WEEK.

June 11, Sunday.	Baccalaureate sermon, 11 A. M.
June 12, Monday.	Field day, 2 P. M. Recital School of Music, 8 P. M.
June 13, Tuesday.	State Alumnae Association meeting, Villard Hall, 9 A. M.; Alumni business meeting, Villard Hall, 10 A. M.; President's reception, 3 P. M.; Failing-Beekman contest, 8 P. M.
June 13, Tuesday.	Regular meeting of Board of Regents, President's office, Villard Hall.
June 14, Wednesday.	Commencement exercises, 10 A. M.; Alumni banquet, 1 P. M.; Alumni ball, 9 P. M.

REGULAR MEETINGS OF BOARD OF REGENTS, 1915-16.

Tuesday, January 18,	1916
Tuesday, June 13,	1916

REGULAR MEETINGS OF THE FACULTY, 1915-16.

Thursday, October 7,	1915
Thursday, November 4,	1915
Thursday, December 3,	1915
Thursday, January 6,	1916
Thursday, February 3,	1916
Thursday, March 2,	1916
Thursday, April 6,	1916
Thursday, May 4,	1916
Thursday, June 1,	1916

REGULAR MEETINGS OF ATHLETIC COUNCIL, 1915-16.

Saturday, September 12,	1915
Saturday, December 12,	1915
Saturday, March 11,	1916
Saturday, June 10,	1916

REGULAR MEETINGS, ASSOCIATED STUDENTS, 1915-16.

Wednesday, October 6,	1915
Wednesday, February 23,	1916
Wednesday, May 3,	1916

OFFICERS OF THE UNIVERSITY

THE BOARD OF REGENTS.

OFFICERS.

HON. ROBERT S. BEAN, President. L. H. JOHNSON, Secretary.

EXECUTIVE COMMITTEE.

HON. ROBERT S. BEAN, Chairman.
HON. SAMSON H. FRIENDLY. HON. CHARLES H. FISHER.
HON. A. C. DIXON.

EX-OFFICIO MEMBERS.

HON. JAMES WITHYCOMBE, Governor	Salem
HON. BEN W. OLCOTT, Secretary of State	Salem
HON. J. A. CHURCHILL, Supt. of Public Instruction . .	Salem

APPOINTED BY THE GOVERNOR.

Names and Addresses.	Term Expires.
MRS. G. T. GERLINGER, Portland	April 15, 1915
HON. WILLIAM SMITH, Baker City	April 15, 1915
HON. FREDERICK V. HOLMAN, Portland . . .	April 15, 1915
HON. R. S. BEAN, Portland	April 15, 1917
HON. MILTON A. MILLER, Portland	April 15, 1917
HON. SAMSON H. FRIENDLY, Eugene	April 15, 1919
HON. W. K. NEWELL, Gaston	April 15, 1921
HON. A. C. DIXON, Eugene	April 15, 1923
HON. CHARLES H. FISHER, Salem	April 15, 1923
HON. JAMES W. HAMILTON, Roseburg . . .	April 1, 1925

ADMINISTRATIVE OFFICERS.

THE UNIVERSITY.

P. L. Campbell, B. A., LL. D.,
President.

A. R. Tiffany, B. A.,
Registrar.

Louis H. Johnson,
Financial Agent.

M. H. Douglass, M. A.,
Librarian.

W. M. Smith, Ph. D.,
Secretary to the President.

THE COLLEGES AND SCHOOLS.

Frederick George Young, B. A.,
Dean of Graduate School.

John Straub, M. A., Lit. D.,
Dean of College of Literature, Science, and the Arts.

Henry D. Sheldon, Ph. D.,
Dean of School of Education.

K. A. J. Mackenzie, M. D.,
Dean of School of Medicine.

C. U. Gantenbein, LL. B.,
Dean of School of Law.

Ralph H. Lyman, B. A.,
Dean of School of Music.

M. Ruth Guppy, B. L.,
Dean of Women.

Joseph Schafer, Ph. D.,
Director of Summer School and University Extension.

Harry B. Miller,
Director of School of Commerce.

Ellis F. Lawrence, M. S.,
Director of School of Architecture.

OFFICERS OF INSTRUCTION.

THE FACULTY.*

P. L. CAMPBELL, B. A., LL. D., EUGENE.
President of the University.
B. A. Harvard University, 1886.
LL. D. University of Colorado, 1913.

PERCY PAGET ADAMS, B. S., EUGENE.
Professor of Graphics.
B. A. University of Oregon, 1901; B. S., 1902.

ERIC W. ALLEN, B. A., EUGENE.
Professor of Journalism.
B. A. University of Wisconsin, 1901.

FRED CARLTON AYER, M. S., EUGENE.
Professor of Education.
B. A. Upper Iowa University, 1902.
M. S. Georgetown University, 1905.
Fellow at Georgetown University, 1905.
Scholar and Fellow in Education, University of Chicago, 1912-13.

ALVIN WALTER BAIRD, B. A., M. D., PORTLAND.
Assistant Professor of Surgery.

JAMES DUFF BARNETT, Ph. D., EUGENE.
Professor of Political Science.
B. A. Emporia.
Ph. D. University of Wisconsin.

BENJAMIN B. BEEKMAN, B. A., LL. B., PORTLAND.
Lecturer on Agency.

JAMES FRANCIS BELL, M. D., L. R. C. P. (London), PORTLAND.
Professor of Theory and Practice of Medicine.

HUGO BEZDEK, B. A., EUGENE.
Assistant Professor of Outdoor Athletics.
B. A. University of Chicago, 1906.

* With the exception of the President the Faculty are arranged in alphabetical order. Separate lists of the faculty will be found under their respective schools.

ROBERT L. BENSON, M. D., PORTLAND.
Professor of Pathology.

RALPH C. BENNETT, D. C. L., EUGENE.
Professor of Law.
B. S. Illinois Wesleyan University, 1902.
B. A. Yale, 1906; M. A., 1909; LL. B., 1909; D. C. L., 1912.

OTTO SALY BINSWANGER, Ph. D., M. D., PORTLAND.
Professor of Chemistry and Toxicology.

JOHN FREEMAN BOVARD, M. S., EUGENE.
Professor of Zoology.
B. S. University of California, 1903; M. S., 1906.

WILLIAM PINGRY BOYNTON, Ph. D., EUGENE.
Professor of Physics.
B. A. Dartmouth College, 1890; M. A., 1893.
Scholar and Fellow in Physics, Clark University, 1894-97.
Ph. D. Clark University, 1897.

JULIA BURGESS, M. A., EUGENE.
Assistant Professor of Rhetoric.
B. A. Wellesley College.
M. A. Radcliffe College.

FRANCIS D. CHAMBERLAIN, B. A., LL. B., PORTLAND.
Lecturer on Corporations and Partnership.

ROBERT CARLTON CLARK, Ph. D., EUGENE.
Professor of History.
B. A., M. A. University of Texas, 1901.
Ph. D. University of Wisconsin, 1905.

TIMOTHY CLORAN, Ph. D., EUGENE.
Professor of Romance Languages.
B. A. Western Reserve University, 1891.
Student Universities of Berlin and Strassburg, 1897-99.
Ph. D. University of Strassburg, 1901.
Student University of Paris, 1904-05.
Student University of Madrid, 1905-06.

EDMUND S. CONKLIN, Ph. D., EUGENE.
Professor of Psychology.
B. H. Springfield (Mass.), 1908.
Scholar and Fellow in Psychology, Clark University, 1908-11.
M. A. Clark University, 1909.
Ph. D. Clark University, 1911.

EDGAR EZEKIEL DECOU, M. S., EUGENE.
Professor of Mathematics.
B. S. University of Wisconsin, 1894.
M. S. University of Chicago, 1897.
Graduate Student University of Chicago, 1899-1900.
University Scholar Yale University, 1900-01.

RICHARD BENJAMIN DILLEHUNT, B. S., M. D., PORTLAND.
Professor of Anatomy.

FREDERIC STANLEY DUNN, M. A., EUGENE.
Professor of Latin Language and Literature.
B. A. University of Oregon, 1892.
B. A. Harvard University, 1894.
M. A. University of Oregon, 1899.
M. A. Harvard University, 1903.

COLIN VICTOR DYMENT, B. A., EUGENE.
Professor of Journalism.
B. A. University of Toronto (University College), 1900

CHARLES H. EDMONDSON, Ph. D., EUGENE.
Assistant Professor of Zoology.
B. Ph. University of Iowa, 1903; M. S., 1904; Ph. D., 1906.

ROBERT H. ELLIS, M. D., PORTLAND.
Assistant Professor of Obstetrics.

WALTER H. EVANS, B. S., LL. B., PORTLAND.
Lecturer on Negotiable Instruments.

CALVIN U. GANTENBEIN, LL. B., PORTLAND.
Dean of the School of Law, and Professor of Criminal Law, Torts and Evidence.

WILLIAM BALL GILBERT, LL. D., PORTLAND.
Lecturer on Constitutional Law.

J. Allen Gilbert, Ph. D., M. D., Portland.
Assistant Professor of Medicine.

James Henry Gilbert, Ph. D., Eugene.
Professor of Economics.
B. A. University of Oregon, 1903.
Ph. D. Columbia University, 1907.

M. Ruth Guppy, B. L., Eugene.
Dean of Women.
B. L. University of Michigan, 1887.
Student Stanford University, 1901-02.
Student University of Berlin, 1903.

Howard D. Haskins, B. A., M. D., Portland.
Professor of Physiological Chemistry.

William L. Hayward, Eugene.
Director of Men's Gymnasium.

Clifton Fremont Hodge, Ph. D., Eugene.
Professor of Civic Biology.
B. A. Ripon College, 1882.
Fellow in Biology Johns Hopkins University, 1888-89.
Ph. D. Johns Hopkins University, 1889.

Edward William Hope, Ph. D., Eugene.
Professor of Law.
B. A. University of Pennsylvania, 1898.
Graduate Student Universities of Berlin and Munich, 1901-02.
M. A. Stanford University, 1903.
Ph. D. Johns Hopkins University, 1905.

William House, M. D., Portland.
Assistant Professor of Nervous and Mental Diseases.

Herbert Crombie Howe, B. A., Eugene.
Professor of Modern English Literature.
B. A. Cornell University, 1893.
Graduate Scholar Cornell University, 1893-95.

Simeon Edward Josephi, M. D., Portland.
Professor of Nervous and Mental Diseases.

J. C. Elliott King, M. D., Portland.
Assistant Professor of Dermatology and Syphilology.

Otto J. Kraemer, LL. B., Portland.
Lecturer on Justice's Court Practice.

Edmund John Labbe, M. D., Portland.
Professor of Pediatrics.

Ellis Fuller Lawrence, M. S., Eugene.
Professor of Architecture and Director of School of Architecture.
B. S., M. S. Massachusetts Institute of Technology.

Ralph Haine Lyman, B. A., Eugene.
Professor of Music and Dean of School of Music.
B. A. Grinnell College, 1907.

Albert Edward Mackay, M. D., Portland.
Professor of Diseases of Genito-Urinary Organs.

John Dice MacLaren, M. S., M. D., Portland.
Professor of Physiology.

Kenneth Alexander J. Mackenzie, M. D., C. M., L. R. C. P. & L. R. C. S., Edinburgh, Portland.
Dean of the School of Medicine and Professor of Operative and Clinic Surgery.

Ralph Charles Matson, M. D., Portland.
Assistant Professor of Bacteriology.

Ray W. Matson, M. D., Portland.
Assistant Professor of Medicine.

Edward Hiram McAlister, M. A., Eugene.
Professor of Mechanics and Astronomy.
B. A. University of Oregon, 1890; M. A., 1893.

Clarence J. McCusker, B. S., M. D., Portland.
Assistant Professor of Obstetrics.

Harry B. Miller, Eugene.
Director of School of Commerce.

Graham J. Mitchell, M. A., Eugene.
Assistant Professor of Geology.
B. S. University of Oregon, 1912.
M. A. Columbia University, 1913.

RICHARD W. MONTAGUE, Ph. B., LL. B., PORTLAND.
Lecturer on Equity.

HENRY H. NORTHUP, LL. B., PORTLAND.
Lecturer on Pleading, Practice, and Probate Law.

WILLEY HIGBY NORTON, B. A., M. D., PORTLAND.
Associate Professor of Bacteriology and Assistant Dean.

RICHARD NUNN, B. A., B. Ch., M. D., PORTLAND.
Professor of Diseases of Eye, Ear, Nose, and Throat.

THOMAS O'DAY, LL. B., PORTLAND.
Lecturer on Bailments and Carriers.

MABLE HOLMES PARSONS, M. A., EUGENE.
Professor of Rhetoric.
B. A., M. A. University of Michigan.

ELLEN M. PENNELL, EUGENE.
Assistant Professor of Rhetoric.

MARY HOLLOWELL PERKINS, M. A., EUGENE.
Assistant Professor of Rhetoric.
B. A. Bates College.
M. A. Radcliffe College.

ROBERT W. PRESCOTT, B. A., EUGENE.
Assistant Professor of Public Speaking.
B. A. University of Oregon, 1908.

GEORGE REBEC, Ph. D., EUGENE.
Professor of Philosophy.
B. Ph. University of Michigan; Ph. D., 1897.

ARCHIBALD F. REDDIE, B. A., EUGENE.
Professor of Public Speaking.
Graduate Emerson College of Oratory.
B. A. Valparaiso University (Honorary).

CHARLES ROY REID, E. E., EUGENE.
Professor of Electrical Engineering.
B. S. University of Oregon, 1906; E. E., 1912.

JOSEPH SCHAFER, Ph. D., EUGENE.
Professor of History, and Director of Summer School and University Extension.
B. L. University of Wisconsin, 1894; M. L., 1899; Fellow, 1900; Ph. D., 1906.

FRIEDRICH GEORG G. SCHMIDT, Ph. D., EUGENE.
Professor of the German Language and Literature.
Student at the University of Erlangen, 1888-90.
Student at Johns Hopkins University, 1893-96.
University Scholar at Johns Hopkins University, 1894-95.
Fellow at Johns Hopkins University, 1895-96.
Ph. D. Johns Hopkins University, 1896.

HENRY DAVIDSON SHELDON, Ph. D., EUGENE.
Professor of Education and Dean of School of Education.
B. A. Stanford University, 1896; M. A., 1897.
Ph. D. Clark University, 1900.

FREDERICK LAFAYETTE SHINN, Ph. D., EUGENE.
Professor of Chemistry.
B. A. Indiana University, 1901; M. A., 1902.
Scholar Yale University, 1902.
Ph. D. University of Wisconsin, 1906.

WARREN D. SMITH, Ph. D., EUGENE.
Professor of Geology.
B. S. University of Wisconsin, 1902.
M. A. Leland Stanford, Jr., University, 1904.
Fellow in Geology University of Chicago, 1904-05.
Ph. D. University of Wisconsin, 1908.

WILLIAM MACKEY SMITH, Ph. D., EUGENE.
Professor of Mathematics.
B. A. Lafayette College, 1903.
Fellow Columbia University, 1910; Ph. D., 1911.

DON C. SOWERS, B. A., EUGENE.
Professor of Municipalities and Public Accounting.
B. A. Baker University, 1904.
Graduate Student Columbia University, 1910-12.

ORIN FLETCHER STAFFORD, M. A., EUGENE.
Professor of Chemistry.
B. A., M. A. University of Kansas.

GEORGE BURNSIDE STORY, M. D., PORTLAND.
Professor of Physiology.

FRED L. STETSON, M. A., EUGENE.
Assistant Professor of Education.
Whitewater Normal, Wisconsin, Graduate, 1904.
B. A. University of Washington, 1911; M. A., 1913.

JOHN STRAUB, M. A., Lit. D., EUGENE.
Dean of the College of Literature, Science and the Arts, and Professor of Greek Language and Literature.
B. A. Mercersburg College, 1876; M. A., 1879.
Lit. D., Franklin and Marshall College, 1913.

BERTHA STUART, B. A., M. D., EUGENE.
Director of Women's Gymnasium.
B. A., M. D. University of Michigan.

ALBERT RADDIN SWEETSER, M. A., EUGENE.
Professor of Botany.
B. A. Wesleyan University, 1884; M. A., 1887.

W. F. G. THACHER, M. A., EUGENE.
Professor of Rhetoric.
B. A. Princeton University, 1900; M. A., 1906.
Graduate Student University of Chicago, 1906.

EDWARD THORSTENBERG, Ph. D., EUGENE.
Professor of Scandinavian Languages and Literatures.
B. A. Bethany College, 1899.
Scholar Yale University, 1900-03; M. A., 1902; Ph. D., 1904.

ERNEST FANNING TUCKER, B. A., M. D., PORTLAND.
Professor of Gynecology.

ARTHUR L. VEAZIE, M. A., LL. B., PORTLAND.
Lecturer on Real Property.

CALVIN S. WHITE, M. D., PORTLAND.
Assistant Professor of Medicine.

GEORGE SHATTUCK WHITESIDE, M. D., PORTLAND.
Assistant Professor of Genito-Urinary Diseases.

OTIS BUCKMINSTER WIGHT, B. A., M. D., PORTLAND.
Assistant Professor of Gynecology.

GEORGE FLANDERS WILSON, M. D., PORTLAND.
Professor of Principles and Practice of Surgery.

ROY MARTIN WINGER, Ph. D., EUGENE.
Assistant Professor of Mathematics.
B. A. Baker University, 1906.
Fellow Johns Hopkins University, 1911-12; Ph. D., 1912.

CHARLES E. WOLVERTON, B. A., LL. D., PORTLAND.
Lecturer on Federal Procedure.

ROBERT CLARK YENNEY, M. D., PORTLAND.
Professor of Clinical Medicine.

FREDERICK GEORGE YOUNG, B. A., EUGENE.
Dean of Graduate School and
Professor of Economics and Sociology.
B. A. Johns Hopkins University, 1886.
University Scholar Johns Hopkins University, 1886-87.

JAMES CULLEN ZAN, M. D., PORTLAND.
Associate Professor of Clinical Surgery.

INSTRUCTORS AND ASSISTANT INSTRUCTORS.

CECELIA SMITH BELL, B. A., EUGENE.
Assistant Instructor in English Literature.
B. A. University of Oregon, 1911.

R. W. BROECKER, B. A., EUGENE.
Instructor in Education.
B. A. University of Michigan, 1907.

ALBERT EDWARD CASWELL, Ph. D., EUGENE.
Instructor in Physics.
B. A. Leland Stanford Junior University, 1908.
Ph. D. Leland Stanford Junior University, 1911.

KARL M. DALLENBACH, Ph. D., EUGENE.
Instructor in Psychology.
B. A. University of Illinois, 1910.
M. A. University of Pittsburg, 1911.
Ph. D. Cornell University, 1913.

KATHRINA MODE DAVIS, M. A., EUGENE.
Instructor in Rhetoric.
B. A. Wellesley College.
M. A. Columbia University.

FRIEDA GOLDSMITH, B. A., EUGENE.
Assistant Instructor in Women's Gymnasium.
B. A. University of Oregon, 1912.

MOZELLE HAIR, B. A., EUGENE.
Secretary Correspondence-Study Department.
B. A. University of Oregon, 1908.

RUTH M. HOWELL, B. A., EUGENE.
Assistant Instructor in Botany.
B. A. University of Oregon, 1912.

JOHN EARL GUTBERLET, Ph. D., EUGENE.
Instructor in Zoology.
B. A. Bethany College, 1909.
M. A. University of Illinois, 1911; Ph. D., 1914.
Fellow in Zoology University of Illinois, 1913-14.

EARL KILPATRICK, B. A., EUGENE.
Instructor in Extension Department.
B. A. University of Oregon, 1909.

CAMILLA LEACH, EUGENE.
Assistant Instructor in Drawing.

GEORGE HUGH ROE O'DONNELL, B. A., EUGENE.
Instructor in German.
B. A. University of Idaho, 1912.

JOHN P. O'HARA, Ph. B., EUGENE.
Instructor in History.
Ph. B. University of Notre Dame, 1902.
Student of History University of Paris, 1905-06.

ETHEL I. SANBORN, M. A., EUGENE.
Curator of Herbarium.
B. S. State College, South Dakota, 1903.
B. A. University of South Dakota, 1904; M. A., 1907.

ALFRED SHELTON, EUGENE.
Field Assistant in Zoology.

EDGAR W. SHOCKLEY, EUGENE.
Instructor in Physical Education.

HARRIET THOMSON, B. A., EUGENE.
Instructor in Physical Training.
B. A. University of Michigan.

MARY WATSON, M. A., EUGENE.
Instructor in English Literature.
B. A. University of Oregon, 1909; M. A., 1911.

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Director of the Orchestra and Instructor in Violin.

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NELL MURPHY, B. A., Mus. Bach., Assistant Instructor in Piano.

INA WATKINS, Assistant Instructor in Piano.

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MRS. ROSE POWELL, Instructor in Public School Music.

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COMMITTEES OF THE FACULTY.*

THE UNIVERSITY COUNCIL—Consisting of the President of the University and all the full professors of departments at Eugene, who together constitute the legal faculty of the University.

THE ACADEMIC COUNCIL—The Executive Committee of the University Council—the President, Professors Young, Straub, Sheldon, and Miss Guppy.

THE GRADUATE COUNCIL—Professors Young, McAlister, Schmidt, Howe, Stafford, and Sheldon.

ATHLETICS—Professors Howe and Hayward.

CREDENTIALS—Professors Young, Schafer and DeCou.

SPECIAL STUDENTS—Professors DeCou, Young, Sweetser and the President.

LIBRARY—Hon. R. S. Bean, President of the Board of Regents, and the Librarian.

ADVISORY—The President, Professors Young, Straub, Schafer.

ADVANCED STANDING—Professors Stafford, McAlister and Dunn.

STUDENT AFFAIRS—The President, Professors Straub, Smith, Conklin and Miss Guppy.

REVISION OF STUDENT'S COURSES—Professors DeCou, Straub and Gilbert.

STUDENT LOAN FUND—The President, Dean Straub, Dean Guppy, the Steward and the Registrar.

APPOINTMENT COMMITTEE—Professors Ayer, Schafer, Boynton, Thacher, Schmidt, DeCou and Dunn.

GRADES—The Registrar, Professors McAlister and Bovard.

CATALOG—The Registrar, Professors DeCou and Boynton.

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* The President of the University is *ex-officio* member of all the committees.

THE UNIVERSITY OF OREGON

INTRODUCTION.

HISTORICAL SKETCH.

The University of Oregon was established by act of the State Legislature October 19, 1872, and located at Eugene. Deady Hall, the first University building, was erected by the citizens of Lane County, and presented to the Board of Regents in July, 1876. In September of the same year, the University opened its doors for the reception of students. The first class was graduated in June, 1878.

The preamble of the act of October 21, 1876, entitled, "An act to provide for the support and government of the University of Oregon, is as follows:

"WHEREAS, by an Act of the Legislative Assembly, approved October 19, 1872, it was provided that, in order to devote to the purposes of education the seventy-two sections of land donated to the State for the use and support of a State University by the Act of Congress of February 14, 1859, a State University, having for its design to provide instruction and complete education in all the departments of science, literature, professional pursuits and general education, be created and permanently located at Eugene; *provided*, that the Union University Association of Eugene should, on or before January 1, 1874, secure a site for the same at or in the vicinity of Eugene, and erect thereon and furnish a building of not less value than fifty thousand dollars, for the use of said University, on a plan to be approved, and after the erection of the same, to be adopted, by the board of commissioners for the sale and management of the school and university lands, and for the investment of the funds arising therefrom; and

"WHEREAS, said University Association of Eugene, having duly provided a site for said University, and erected thereon, on a plan first approved by said board of commissioners, a building for the use thereof, as provided in said Act of October 19, 1872, which site and building was by said board of commissioners, in July, 1876, duly accepted, and has since been duly conveyed by said University Association to the board of directors of said University; and

"WHEREAS, the directors of the University aforesaid did, in pursuance of an Act of October 19, 1872, on August 9, 1876, elect and appoint a president and two professors of said University and also a principal and assistant teacher of the prepar-

atory department therein, and did also 'fix the salaries of said president, professors and teachers and prescribe the tenure of their offices, the beginning and end of the school year of said University, the studies to be pursued thereat, the admission fees and rates of tuition, together with the qualifications for admission therein'; therefore,

"Be it enacted by the Legislative Assembly of the State of Oregon:

"That the interest which may hereafter accrue on the fund arising from the sale of the University lands aforesaid, is hereby set apart and perpetually appropriated to the maintenance, use and support of the 'University of Oregon'."

The equipment of the University was at first very small, and the courses of instruction were limited practically to literary lines. The University grew rapidly, and the demand for a broader curriculum was met by the addition of engineering, scientific and technical courses. The Law School was established in 1884, and the Medical School in 1887. With the growth and development of the State, the University has increased in numbers and financial resources. Buildings have been erected, new departments added, and a large equipment installed.

During the early years of the institution, the only high schools in the State were located in two or three of the larger cities, and it was necessary for the University to offer preparatory courses in order that students graduating from the schools in smaller towns might continue their work by coming directly to the University. As the high school system of the State developed, it became possible to discontinue the first year of the academy course; a little later the second year was dropped; and finally in 1904, the academy was entirely abolished.

A similar growth may be seen in the evolution of the present course of study. When the University first opened its doors in 1876, the work of the different courses was practically all required. After a few years, options were allowed in the choice of language groups, and substitutions were permitted for some of the technical requirements. Later a great number of possible combinations of required courses were offered, with a few elective hours. Then came the group system with the work for the first two years required, and the greater portion of the last two years elective except for a major elective requirement.

Finally, during the year 1904-05, the University adopted practically a free elective system of undergraduate study, with

a major requirement not to exceed one-third of the one hundred and twenty semester hours necessary for graduation. The only specific requirements, besides the major, are twelve semester hours of gymnasium work, two year-courses in some language other than English, and the attainment of a reasonable proficiency in English composition. It is found that by means of the major requirement, the University is able to give a wise direction to the student's chosen line of work. On the other hand, the limit placed on the amount of required work encourages the enlargement of the student's field of study, and makes possible a broad, general culture.

A noteworthy enlargement of the functions of the University is the Correspondence and Extension departments, which bring the resources of the University within the reach of those who are unable to attend the regularly organized classes on the campus, and further provide lectures for such communities as desire to avail themselves of the opportunity.

THE UNIVERSITY AND THE STATE.

The aim of the University of Oregon in its relation to the educational system of the State is two-fold: First, to supplement the work of the high schools with a four years' university course. Second, to encourage graduate study. As an organic part of the State's public school system, the University sustains a relation to the high schools similar to that sustained by the high schools to the grammar grades. As those who have passed through the grammar grades may continue their studies in the high schools, so those who have completed the full high school course may advance to the opportunities offered by the University. In a word, the University (exclusive of the Graduate School) embraces the thirteenth, fourteenth, fifteenth and sixteenth grades of the public school system. It completes the work begun in the grammar schools and continued in the high schools.

While the University furnishes instruction in the various branches requisite for a liberal education, and in the technical branches of architecture, commerce, education, journalism, law, medicine and music, it also aims to encourage research work in its departments, and to offer to those who have completed

college courses at the University or elsewhere an opportunity to do graduate work along general or special lines.

In addition to its work as a part of the public school system, the University attempts to aid in the State's development by gathering exact and detailed information concerning its industrial resources, and by investigating, through its several departments, such civic and industrial problems as are of special interest to the people of the State.

Thoroughly in sympathy with the modern tendency toward the socialization of public education, it is the policy of the University to extend its activities to the service of the State in every way in which they may be of value.

GOVERNMENT.

The government of the institution rests upon the inherent obligations of students to the University and to the State. The University is maintained at the public expense for the public good. Those who participate in its benefits are expected, as a matter of honor, not only to fulfill the obligations of loyal members of the institution, of the community, and of the commonwealth, but actively to aid in promoting intellectual and moral interests. Every student owes to the public a full equivalent for the expenditure in his behalf, in the form of superior usefulness to it, both while in the institution and afterwards. Students, therefore, cannot claim any exemption from the duties of good citizens and loyal members of the community and of the University; on the contrary, they are under peculiar oblitions loyally to fulfill every duty. As members of the institution, they are held responsible for regular attendance and the proper performance of their duties. As members of the community, students are amenable to the law; and, if guilty of its infraction, are liable to a termination of their relations with the University. The University recognizes its civic relations and rests its administration upon civic obligations.

LOCATION AND ENVIRONMENT.

The University of Oregon is located at Eugene, in Lane County, at the head of the Willamette Valley. Eugene is 123 miles south of Portland, with which it is conveniently connected

by the Southern Pacific, Oregon Electric, and the Portland, Eugene and Eastern railroads. Eugene is a prosperous community of 12,000 inhabitants. Its well-paved streets and street railway systems, its many fine public buildings and its attractive residence districts combine to produce an effect of municipal well-being. Eugene's effective public school system is given higher excellence by the completion of a new high school building, representing the most approved type of structure of its class. The municipal water supply—always a vital consideration—is unexceptionably good. Copious, cold and pure, the water is subjected to twenty tests each week in the laboratories of the University—a final safeguard against dangerous bacterial contamination. The cultural and moral tone of Eugene is high, and the community is unusually free from corrupting influences.

The setting of Eugene is wonderfully picturesque, and presents the widest possible scenic diversity. The highly developed farms near by give way to wooded hills, and these, in turn, to the majestic crests of the Cascade and Coast ranges of mountains. The mountain streams of this region—especially the McKenzie—are justly famous for their trout fishing. No less excellent is the hunting. Pheasant, quail, duck, deer, bear and other game are abundant. These attractions, with the compelling beauty and rugged grandeur of the natural scenery, bring annually to Eugene and nearby resorts great numbers of sportsmen, tourists and vacation seeking folk. The climate is delightfully equable, without extremes of either heat or cold and without sudden changes, cyclones, or destructive storms of any nature.

BUILDINGS AND GROUNDS.

The University grounds are situated about one mile southeast of the center of the city. Electric cars pass the campus every few minutes, giving easy communication with the business section and other parts of the city. The campus contains 80 acres of land, about evenly divided into two sections by East Thirteenth street. On the north campus are located the older University buildings; on the south campus the new administration building, the girls' dormitories, the president's dwelling, and the athletic field. The buildings are situated on a natural rise of ground overlooking the city. Native and exotic trees and

shrubs are interspersed here and there with rose hedges and flower gardens. The whole is a beautifully kept lawn, with attractive walks and drives, and is one of the beauty spots of the State. The Willamette River flows along its northern border and the snow-covered Three Sisters and peaks of the Coast Range are in full view.

The following buildings are located on the University grounds:

Deady Hall, a four-story building, was presented to the State by the citizens of Lane County, and was named in honor of Matthew P. Deady, the first president of the Board of Regents. It contains the Botanical, Zoological and Physical laboratories, and the departments of Latin, Romance Languages, German and English Literature.

Villard Hall, erected in 1885, was named in honor of Henry Villard, the builder of the Northern Pacific Railroad, the greatest individual donor to the University's endowment. It is an imposing cemented brick building, and at present contains the offices of the President, the Dean of Men, the Registrar, the Steward, the Dean of Women, the Assembly Hall of the University, the very valuable Condon geological collection, and the departments of Geology, Greek and Mathematics.

McClure Hall was built in 1900. It is devoted largely to the department of Chemistry, and is admirably adapted to its purpose. It has three floors, with laboratory facilities for 200 students, and contains the latest appliances for research work in all lines of mining and of manufacturing chemistry. It has hoods and ventilators for carrying off gases, electric motors for operating machinery, and is modern in every respect. It contains all the departments of Chemistry. The upper floor for the present is used as class rooms in Psychology, and for the psychology laboratories. One-half of the basement has been fitted up for the temporary quarters of the department of Journalism.

Architectural Hall, West Wing, erected in 1901, contains the central heating and lighting plant of the University, the department of Electrical Engineering, the University machine shops and the Testing Laboratory for timber, stone and metals.

Architectural Hall, East Wing, erected in 1914, is a duplicate of the west wing in general appearance, and is devoted to the use of the School of Architecture.

The Girls' Gymnasium is a brick building well fitted with suitable apparatus for the use of the women of the University. The first floor contains the main hall, a room 45x70 feet, and the Director's office. The basement is completely fitted with shower baths, steel lockers, and dressing rooms.

The Men's Dormitory, erected in 1893, with additions completed in 1903 and 1914, is a three-story brick building, equipped with electric lights, steam heat, hot and cold baths, well-furnished parlors and every convenience for the comfort of its occupants. For full information concerning rates and accommodations, see department of catalogue, "Student Expenses."

The Library Building, built in 1907, is a two-story and basement building of buff pressed brick. On account of the rapid growth of the library, a new fire-proof stack room, of steel and concrete construction, was added in 1914. The library is located south of Deady Hall near Thirteenth street. The first floor contains the general reading room and a general reference room. A part of the second floor is used for class rooms.

Mary Spiller Hall, erected in 1907, will accommodate about 20 girls. It is a two-story and basement building, modern in all respects, well heated and lighted and comfortably appointed. For full information regarding the cost of board and room and of accommodations, see department of catalogue, "Student Expenses."

Engineering Hall was completed in February, 1909. It is a two-story building, located on University avenue, directly east of Architectural Hall, and was designed especially for engineering instruction. It is used for general recitation purposes.

The Men's Gymnasium. The gymnasium for men is one of the best arranged on the Coast. It is fitted completely with all modern conveniences, the best apparatus, an indoor running track, a swimming pool, shower baths, lockers, etc.

The athletic field has a four-lap track surrounding a well-constructed football field. The grandstand and the bleachers will seat 6,000 people. In the southeast corner of the Campus a level tract of about 35 acres has been appointed as a site for a new athletic field. The development and suitable equipment of this tract will answer the growing requirements of the athletics of the University.

Administration Hall, erected in 1915, will provide offices for all administrative officers and for the Dean. The first floor will contain the Condon Geological Collection and a small assembly hall with a seating capacity of about 300 people, especially designed for the department of Public Speaking. The building is an impressive edifice of brick with terra cotta trimmings, and is fireproof and modern in all of its appointments. It fronts the main quadrangle and is a noteworthy architectural addition to the Campus.

THE UNIVERSITY LIBRARY.

STAFF.

M. H. Douglass, M. A., Librarian.
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Margaret C. Upleger,
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Pauline Potter, B. A., Assistant.

The University Library is a well-selected and rapidly-growing collection of books now numbering more than 53,000 volumes. Since 1908, the regular annual appropriation for books and periodicals and for bindings has been $10,000, though in 1911, 1912 and 1914, because of unusual demands in other directions, the full amount was not available. This annual appropriation has made possible a much more rapid development of library resources than was possible previous to 1908, when the principal fund regularly available for the purchase of books was $400 a year from the income of endowment given to the University by the late Henry Villard. The Library is supplied with the best general and special reference books; the files of the principal American and English periodicals of general interest, and with many of the most useful sets of periodicals of special and scientific interest, both American and foreign. Nearly 500 periodicals are currently received, besides many of the daily and weekly newspapers of the State.

The Library is a depository for the public documents published by the United States Government.

The annual appropriation for books is sufficient to provide for the books most needed for use in connection with the courses given and for general reference work. It also makes possible the acquisition each year of a few of the larger and more expensive sets needed for the more advanced University work.

The Library is open daily except Sunday from 7:45 A. M. to 9:30 P. M., except that on Fridays and Saturdays it is closed at 6. Books, other than reference books and those especially reserved for use in the Library, may be drawn for a period of

one month, and at the expiration of that time renewed if there is no other demand for them. All persons connected with the University have the privilege of drawing books, and the use of the Library for reference purposes is extended to the general public as well. Books that can be spared from the University are also loaned to other libraries, to superintendents and principals of Oregon schools, and to individual citizens of the State, as well.

The original part of the present Library building was erected in 1907 at a cost, exclusive of furnishings, of about $26,000. Its ground dimensions are 90 by 60 feet, and it includes two stories above a high basement, the construction material being of buff pressed brick and stone and the interior wood finish the Oregon fir. It includes a general reading, reference and periodical room, cataloguing rooms, librarian's office, the University Book Store, an unpacking room, storage space for duplicates, and besides eight rooms now being used for recitation or seminar purposes.

The usefulness and convenience of the Library as well as its capacity both for books and readers has been much increased by the addition of the new fireproof stack room, which has been occupied since December, 1914. The addition was built and equipped at a cost of $30,000 and includes, besides the stack room proper, the delivery room and four seminar rooms. The stack room has an ultimate capacity of from 125,000 to 150,000 volumes on five floors, though three floors only have been installed at present.

THE UNIVERSITY MUSEUMS.

The University museums are three in number, as follows:

THE CONDON GEOLOGICAL MUSEUM.

The geological collections now installed in room 3, Villard Hall, will next year occupy quarters in the new Administration Building and be known as the Condon Geological Museum.

(1) The Condon cabinet consists of many thousand specimens, and represents the life work of the late Dr. Thomas Condon. The cabinet is especially rich in vertebrate fossils from the John Day Valley, and contains in addition many invertebrates and paleo-botanical specimens. This cabinet is perhaps the finest collection of paleontological specimens in the Pacific Northwest.

(2) A display collection of minerals. This is a growing collection of especially fine minerals.

(3) A type collection of minerals. A collection of about 1,500 mineral specimens representative of the ordinary occurrence of the different minerals.

(4) A collection of Oregon economic minerals.

(5) A type collection of rocks, etc. This contains, besides the United States Geological Survey educational series of rocks, a collection from type localities in the Lake Superior iron-bearing and copper-bearing districts illustrating some of the oldest formations on the continent; also a collection of typical specimens from the Philippine Islands. Besides these are many isolated specimens from various and remote parts of the world.

(6) An ethnological collection of tools and implements used by early man.

In the museum is also a cast of the Willamette meteorite, the gift of Mr. E. A. Patullo, of Portland. The original meteorite was found 2½ miles west of Oregon City. Its dimensions are: Extreme length, 10 feet 3½ inches; breadth, 7 feet; height, 4 feet; estimated weight, 12-15 tons. It is now in the American Museum of Natural History, New York City. The museum, through Dr. E. O. Hovey, is said to have paid $20,500 for this meteorite.

BOTANICAL.

The botanical museum consists of the following: (1) The Howell collection, consisting of 10,000 specimens, collected for the most part in Oregon, many of which are type specimens; (2) the Leiberg collection, presented to the University by Mr. John B. Leiberg in 1908, consisting of 15,000 sheets of specimens, collected principally from Oregon, Washington, and Idaho, but including also some from other states. The specimens are for the most part duplicates of others deposited in the National Herbarium at Washington by Mr. Leiberg for the Government while he was in its employ, and are extremely valuable; (3) the Cusick collection, consisting of 7,000 specimens of Oregon and other flora. These collections are being constantly added to by gift and exchange. All specimens not already classified are being classified and arranged in cases as rapidly as possible.

ZOOLOGICAL MUSEUM.

The Zoological Museum is located on the third floor of Deady Hall, where ample room is given for the exhibition cases. It contains a fine series of mounted and unmounted birds and mammals, to illustrate different groups; a collection of Oregon reptiles, made by Mr. J. R. Wetherbee; a series of fish, mostly salmonidae from the Columbia River, donated by the United States Government; a collection of food fishes of the Oregon Coast, made by Mr. B. J. Bretherton, of Newport, Oregon, and presented to the University.

It is further supplied with an excellent series of invertebrate animals, models of types from France and Germany. To this may be added casts of brains and head formations of various races, and a particularly fine series of wax models made from drawings by His in Zeigler's laboratory at Freiburg, illustrating different stages in the development of the human embryo and that of the chick; also a similar series showing the development of amphioxus, different forms of segmentation, etc.

THE UNIVERSITY LABORATORIES.

GEOLOGY.

Mineralogy. The laboratory is equipped for work in descriptive and determinative mineralogy and crystallography, and contains the following mineral collections:

(1) A display set of minerals.

(2) A labeled set of working material.

(3) An unlabeled working set together with a quantity of unlabeled working material.

(4) A set of Penfield's Wooden Crystal Models.

Petrology. A working collection of hand specimens of rock is examined and identified by each student. The department also maintains apparatus for grinding thin sections of rocks and is equipped with petrographical microscopes.

Physiography. Equipment for making relief maps has been added, as well as numerous charts and models for the illustration of physical features.

Paleontology. The laboratory is especially well equipped for studying the paleontology of Oregon, and is rapidly adding a comprehensive working collection of the fossils of all geologic ages.

Economic Geology. The department is well equipped with minerals and ores for introductory work in this subject. A complete equipment for field geology has been added, including transits, plane tables, hypsometers, compasses, levels, etc., for instruction in every phase of topographical and geological mapping.

CHEMISTRY.

The chemical laboratories are located in McClure Hall, a building especially designed to house the chemistry department. All of the first floor and portions of the basement and second floor are devoted to chemistry. In the basement is the beginner's laboratory, which will accommodate 100 students. This laboratory, at present, is used also by the students in analytical chemistry. The desks are provided with water, gas, and electricity. On one side is a bank of hoods with a very efficient draught, operated by an electrically driven fan. The hoods are supplied with water, gas, steam, waste, and hydrogen sulphide connec-

tions. At each end of the room are large drying ovens for drying precipitates, also blast lamps supplied with compressed air. One of the hoods is provided with an electrically heated evaporating plate. Immediately adjacent to the laboratory is the weighing room, containing balances for the use of students doing quantitative work.

On the first floor is the laboratory for organic chemistry with 64 lockers and equipped in all respects as the one just described. Opening from this room are the office and the instructor's private laboratory. Adjoining the organic laboratory is the supply room, from which apparatus and chemicals are dispensed to the students. Across the hall is the lecture room, a well-lighted, comfortable room, with inclined floor, having a seating capacity of about 120. It has modern equipment throughout. Here also are cases containing a very complete collection of organic and inorganic chemical specimens, for illustrating the class work. Just back of the lecture room is the "preparation" room.

On the third floor is an office room, and adjacent to it, a large laboratory, reserved for special and research work, fully equipped as are the others.

Distilled water is supplied to all laboratories through block tin pipes.

All heavy and inflammable chemicals are stored in an annex adjacent to the main building.

The storeroom is kept well supplied with apparatus and chemicals to meet the requirements of all the usual laboratory courses and to provide facilities for original investigation. Many of the books and the periodicals belonging to the department are, at present, kept in the main office room, which is used also as a reading room. Students are encouraged to make free use of the facilities which it offers. Large additions to the list of chemical periodicals are being made, which will greatly increase the attractiveness and usefulness of the chemical library.

PSYCHOLOGY.

The Psychological laboratory is now well equipped for practice or advanced work. It consists of a suite of nine rooms, in addition to the lecture room, in McClure Hall. All of the rooms

are connected by an intercommunicating system of wires and speaking tubes, so that isolation of students for delicate work is easily accomplished; and all are supplied with gas, compressed air, and power circuits. One of the rooms is commodious enough for seminary and small class purposes, and another can be readily made absolutely dark for adaptation purposes. The laboratory has a considerable store of the more simple apparatus and some of the more complex pieces. Each year additions are made of the best modern construction. For demonstrational work in connection with the courses in general psychology, experimental psychology, and mental hygiene and for laboratory practice the equipment of apparatus is already good, making it possible to illustrate and reproduce the principal methods of experimental study of the sensations, attention, emotional expression, fatigue, reaction times, etc.

PHYSICS.

The physical laboratories are located on the first and second floors of Deady Hall. The laboratories for elementary and general work are located on the second floor, and furnish accommodations for workers in large sections. There is a very complete collection of apparatus for elementary work, available to those who are preparing to teach in the high schools. The additions made in recent years as a result of increased appropriations have been almost entirely in pieces of high grade, of the most substantial and workmanlike character, suited for exact quantitative work, and are well distributed among the various portions of the science. This equipment is supplemented by the collection of lecture-room apparatus, which is especially rich in the departments of light, electricity, and magnetism. Among the more important pieces may be mentioned apparatus for the study of accelerated motion, of harmonic motion, and of central forces; thermometers of a wide range of sensitiveness, calorimeters for precision work, combustion calorimeters, and apparatus for determining the mechanical equivalent of heat; lenses, laboratory telescopes, spectroscopes, spectrometers, and an unusual collection of prisms and diffraction gratings, two very excellent photometers, polarimeter, and a Michelson interferometer; an exceedingly good collection of galvanometers, resistance boxes, ammeters and voltmeters, and a large electro-magnet.

The special laboratories for advanced work are located on the first floor, and are provided with concrete piers for apparatus requiring unsual stability, and with storage battery, 110-volt direct current, and alternating current of several potentials, and a system of distributing circuits. The laboratory is equipped with apparatus of the highest grade, and of considerable variety. The electrical equipment includes resistance boxes and resistance standards from the Leeds & Northrup Co., Hartmann & Braun, and O. Wolff, ranging from a standard 1-100 ohm to 100,000 ohms, a Kelvin bridge for measuring resistances from 1 ohm to 1-1,000,000 ohm, a high potential storage battery of 2,000 cells capable of furnishing 4,000 volts, high potential transformers, and an equipment for experimental work with electric waves and wireless telegraphy, a Leeds & Northrup potentiometer, a large collection of galvanometers, portable and reflecting, suited for a wide range of work, ammeters and voltmeters from the Western Electrical Instrument Co., the Keystone Electric Instrument Co., and the American Instrument Co., both for direct and alternating currents, wattmeters, Siemens and absolute dynamometers, standards of self and mutual inductance, condensers, both of mica and of paper; precision photometers, standardized incandescent lamps, and the usual accessories of switches, commutators and electric motors.

The special laboratories for work in applied physics are located in the west wing of Architectural Hall. They contain steam engines with equipment of indicator and brake, a gasoline engine, and an assortment of electrical machines and auxiliary apparatus entirely adequate for purposes of instruction and illustration.

BOTANY.

The Botanical department occupies the fourth floor of Deady Hall. The laboratory for the general botany classes has the regular equipment of work tables, lockers, and compound microscopes, as well as provision for the displaying of stereopticon illustrations and charts. This, as are all the other rooms, is furnished with gas and lighted with electricity. The department possesses a fine series of botanical models of flower types and insectivorous plants. The supply of preserved material is constantly being added to and is fairly representative of the

various plant groups. Each student is expected to provide himself with dissecting set and drawing material, but the laboratory is prepared to furnish the necessary microscopical slides, reagents, and glassware.

Half of the fourth floor is devoted to the Herbarium and Bacteriological rooms. Mr. Thomas Howell has donated his large herbarium, containing many type specimens, to the University. This, together with Mr. Leiberg's gift of 15,000 specimens last year, is available for students in systematic botany. Facilities are provided for the study of preservation of local material and for the cataloguing of plants sent from various parts of the State, and the department will be glad to name any specimen that may be sent to the herbarium for determination. The Bacteriological laboratory is well equipped for work, with its gas-fitted work tables and lockers combined, its autoclave, steam and hot-air sterilizers, incubator, hot water heater and compound microscopes, with oil immersion lenses.

ZOOLOGY.

The laboratories of the Zoology department occupy the third floor of Deady Hall. A large, roomy laboratory with north exposure is provided for the work in General Zoology. Each student has the use of a compound microscope and is provided with a locker for instruments and note books.

Another large laboratory, also on the north side of the building, is used for Histology and Embryology. The apparatus and fittings in this room have been selected with the idea of making the work of each student as independent as possible. Each student is provided with a locker containing all necessary reagents and stains for making microscopic slides. The paraffin ovens are so arranged that each student has his own compartment, thus allowing experiments and special work to be carried on without interference. The laboratory is supplied with a large number of microscopic slides to supplement the work of the student and to illustrate special methods.

The equipment for work in Embryology is very complete. Besides a good collection of chick and pig embryos, the laboratory has a number of models illustrating the development of echinoderms, amphioxus, the frog, chick, pig and man.

On the south side of the third floor is the Anatomy laboratory. It is well provided with a large amount of working material for dissection, as well as a good series of skulls and skeletons illustrative of the various classes of vertebrates. Work in Human Osteology is provided for by a number of human skulls and skeletons, both articulated and disarticulated.

The Physiology laboratory, also on the south side, is well supplied with electrical connections, digestive ovens and water baths. There is also good equipment for experiments on muscle, nervous tissue, circulation and respiration by which many of the laws of physiology can be worked out.

ADMISSION TO THE UNIVERSITY.

ADMISSION TO THE FRESHMAN CLASS.

Students are admitted to the freshman class on the completion of a four-year high-school course, or its equivalent, requiring fifteen units of work as outlined below. The term *unit* means the equivalent of five recitations per week of not less than forty minutes each, in one branch of study, for a school year of not less than thirty-six weeks.

No student will be admitted to the University who does not have full freshman standing. (Exception may be made in case of *bona fide* special students.)

Required Subjects.

Each student entering the University is required to present certain specified subjects; the subjects with the required number of units in each are as follows:

English	3 units
Elementary Algebra	1 unit
Plane Geometry	1 unit
History	1 unit
Science, with laboratory work . .	1 unit
**One* foreign language	2 units
Required of all students . . .	9 units

Students majoring in mathematics, physics, or architecture are required to present the following additional subjects:

Intermediate Algebra	½ unit
Solid Geometry	½ unit

Elective Subjects.

The balance of the fifteen units not listed above may be selected from any of the subjects for which standard high schools give credit toward graduation, and may include additional work in the required subjects.

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*Students unable to present two units of foreign language for admission will be permitted to substitute an equal number of elective units subject to the following conditions: Students entering with no foreign language will be required to take in the University ten semester hours of foreign language in addition to the amount otherwise required; those offering only one year, six semester hours additional.

Not more than four units may be offered in vocational subjects.

All students are urged to present four units of English.

DIRECTIONS TO FRESHMEN.

1. Send in a statement of your credits to the Registrar as soon as possible after your graduation from the high school. If your credits are satisfactory you will receive a card of admission at once.

2. On the appointed registration days, the date of which will be found on page 5 of the catalog, call at the Registrar's office early, bringing with you your card of admission. You will there receive full instructions regarding registration.

3. Choose your major subject with great care. Your major subject will be the same as that department of the University in which you plan to take a large part of your work; *e. g.*, you will major in Botany, Mathematics, Journalism, History, etc., and the head of that department will be your major professor or adviser. If you can choose your major subject before reaching the University it will be time gained. Your major professor will make out your card for you, after you have registered, and you must consult him as to its arrangement. English Composition, Foreign Language, Physical Training, and, for girls, Personal Hygiene, are required of all freshmen; the remaining hours up to fifteen, or a maximum of sixteen, must be chosen from the appended list of freshman studies with the advice of your major professor.

FRESHMAN STUDIES.

The studies of the Freshman year, except as heretofore provided, shall be chosen from the following list of subjects, consisting of the courses offered by the several departments as freshman work: Botany 1, 2, 11; Chemistry 1; Economics 1, 2; English Composition 1, 2, 3, 4, 5, 6; English Literature 31, 32, 37 and 38; Geology 1, 2; German 1; German 2 and 3, if prepared; French 1; French 2 and 3, if prepared; Greek 1; Greek 2, if prepared; Spanish 1; Spanish 2, if prepared; Scandinavian Languages 1 and 2; History 1, 2, 5, 6; Journalism 1; Latin 1 to 8; Mathematics 1*a*, 1*b*, 1*c*, 1*d*, 2, 3; Personal Hygiene 7; Physics 1, 2, 3, 4; Public Speaking 1, 3, 5; Zoology 1, 2, 11.

EXCESS MATRICULATION CREDIT.

Students who bring from accredited preparatory schools credits in excess of the requirements for matriculation must pass an examination at the University in the subjects covered by such credits before these may be counted as canceling any part of the 120 semester hours required for graduation, but in no case shall the amount of college credit so allowed exceed 60 per cent of the number of hours such subject or subjects covered in the preparatory school. The preparatory subjects in which advanced credits may be so earned are as follows: Latin—Cicero or Virgil; German, French, Greek, Higher Algebra, and Trigonometry.

EXAMINATION IN ENGLISH.

Every student, at the beginning of his freshman year, shall pass satisfactorily an examination testing facility and accuracy in the use of English; or, he may waive this requirement by taking a course of six semester hours in English during his freshman year, for which college credit will be given.

The examination will be held during registration week at an hour and place announced on the bulletin boards. The examination is designed to test the student's ability to write clear, correct, idiomatic English. He will be asked to criticise an extract of classic prose with respect to a few essentials of good English; to write two essays of not less than two hundred words each, one upon some familiar subject drawn from his experience or observation, and the other upon a subject selected from standard classics. These essays will be tested on the following points: The language must be clear and grammatical; the spelling, punctuation, and capitalization must be reasonably correct; choice of words must show discrimination; sentences and paragraphs must be constructed in accordance with the simpler principles of composition. The essays must show ability to organize thought. (A topical outline may accompany each essay.)

No student will be passed whose work shows serious defects in spelling, punctuation, grammar, and structure of sentences and paragraphs, or who presents illegible or untidy manuscript.

As preparation for satisfactory work in the University, constant and regular practice in writing is earnestly recom-

mended. Throughout the four years of the high school course the student should write exercises and revise them after correction by the teacher so as to secure accuracy and self-reliance. The subjects upon which the student writes should be drawn from both literature and daily life and experience, and some degree of ability should be secured in each of the types of discourse; description, narration, exposition, and argument. The fundamental principles of grammar should be mastered in theory and practice. Such principles of rhetoric as are adapted to the student's practical use should be emphasized; principles that make his speech and writing definite and effective, such as good usage in choice of words, correct sentential structure and paragraphing, and outlining of thought.

METHODS OF ADMISSION.

There are two ways of entrance to the University: First, by examination; second, by recommendation from accredited schools without examination. All students from schools not accredited to the University are subject to examination at the University. The examinations will be held during the first week of the college year.

ACCREDITED HIGH SCHOOLS.

It is the policy of the University to adjust its standard of entrance requirements so as to be in close touch with the schools of the State that do earnest work, and at the same time to protect the scholarship of the University. It will also be the policy, so far as possible, to make the accrediting uniform for the various departments. Schools, therefore, that have a four years' course, with a nine months' year, and subjects running for half a year or more five times a week, with recitations forty minutes long, and which have the subjects in the State high school course, or their equivalent, will, as far as possible have their students admitted to the freshman class in the University.

The State high school course is the basis of the requirements for entrance to the University and the adoption of the State course at once simplifies the passage of students from high schools into the University, and settles almost, if not quite all the questions of accrediting. It is earnestly hoped, therefore, that all high schools will adopt the State course.

List of Accredited Schools.

Public High Schools.

Airlie.
Albany.
Alsea.
Amity.
Arlington.
Ashland.
Astoria.
Athena.
Baker.
Balston.
Bandon.
Bay City.
Bend.
Brownsville.
Brownsville, South.
Burns, Harney Co. High School.
Canby.
Carlton.
Central Point.
Clatskanie.
Coburg.
Condon, Gilliam Co. High School.
Coquille.
Corvallis.
Cottage Grove.
Cove.
Creswell
Dallas.
Dayton.
Drain.
Dufur.
Echo.
Elgin.
Elmira.
Enterprise, Wallowa Co. High School
Estacada.
Eugene.
Falls City.
Florence.
Forest Grove.
Fossil, Wheeler Co. High School.
Freewater.
Gervais.
Glendale.
Gold Hill.
Grants Pass.
Gresham.
Haines.
Halfway.
Halsey.
Harrisburg.
Heppner.
Hermiston.
Hillsboro.
Hood River.
Hood River, Frankton High School.
Independence.
Ione.
Jefferson.
Joseph.
Junction City.
Klamath Falls, Klamath Co. High School.
La Grande.
Lakeview.
Lebanon.
Lexington.
Marshfield.
McCoy.
McMinnville.
Medford.
Merrill.
Milton.
Milwaukie.
Monmouth.
Monroe.
Moro.
Myrtle Creek.
Myrtle Point.
Nehalem, Union High School.
Newberg.
Newport.
North Bend.
Nyssa.
Oakland.
Ontario.
Oregon City.
Parkplace.
Pendleton.
Philomath.
Pleasant Hill, Union High School No. 1
Portland: Lincoln, Washington, Jefferson and Franklin High Schools.
Prairie City.
Prineville, Crook Co. High School.
Rainier.
Redmond.
Richmond.
Riddle.
Roseburg.
Salem.
Scappoose.
Seaside.
Sheridan.
Silverton.
Springfield.
Stanfield.
St. Johns.
St. Helens.
Sumpter.
Sutherlin.
Tangent.
Thurston.
Tillamook.
The Dalles.
Toledo.
Union.
Vale.
Waterville, Union High School.
Wasco.
Weston.
Willamina.
Woodburn.
Yoncalla.

Private Schools.

Baker—St. Francis Academy.
Milton—Columbia Junior College.
Mt. Angel—Mt. Angel College; Mt. Angel Academy.
Newberg—Pacific Academy.
Pendleton—St. Joseph's Academy.
Portland—Columbia University; Hill Military Academy; Portland Academy; St. Helen's Hall; St. Mary's Academy; St. Joseph's School; Y. M. C. A. Preparatory School.

ADMISSION FROM OTHER STATES.

Graduates of high schools outside of Oregon will be admitted to the University without examination on recommendation when such schools are accredited to their own state university or to universities of equal rank.

ADMISSION TO ADVANCED UNDERGRADUATE STANDING.

Advanced standing will be given students coming from institutions of collegiate rank, who can satisfy the committee on advanced credits that the courses offered are equivalent to those given by the University. All applicants for advanced standing must present a complete official transcript covering both their high school and college records and a letter of honorable dismissal. These records must be filed with the Registrar on or before the day the student registers in the University.

ADMISSION TO SCHOOL OF LAW.

The requirements for admission to the School of Law comprise the completion of a four-year high-school course (see requirements for admission to the freshman class) and two years of work in Liberal Arts.

ADMISSION TO SCHOOL OF MEDICINE.

The requirements for admission to the School of Medicine comprise the completion of a four-year high-school course (see requirements for admission to the freshman class), and, beginning January 1, 1916, two years of pre-medical work in the College of Literature, Science and the Arts.

REQUIREMENTS FOR ADMISSION TO SPECIAL STUDENT STANDING.

The privileges of a special student are intended for those who, for any reason, are unable to complete a college course, but who are qualified by age, character, practical experience, purpose, and habits of study to profit by University courses.

Special students shall be of two classes, as follows:

(1) Persons not candidates for a degree, who have met all the requirements for entrance to the freshman year, to be known as collegiate special students. They may be permitted to take one or more college courses for which they are fitted and shall be subject to the nine-hour rule, except that when registered for fewer than nine hours they must secure credit in them all.

(2) Persons of maturity, twenty years of age or over, and teachers in public or private schools, who present satisfactory credentials and testimonials, to be known as irregular special students. They may be permitted to take one or more college courses for which they are fitted, subject to the condition that they must complete satisfactorily 60 per cent of the work undertaken.

All applications for special student standing must be passed upon by the Committee on Special Students, who reserve the right to reject any petition, as they may deem wise, and to discuss and change any proposed program of studies. Students, other than those of mature years, must give evidence of a definite object to be attained by the courses sought.

Students who have met all the requirements for entrance to the freshman year, and are candidates for a degree shall be considered regular students, even though for sufficient reasons they may be permitted to take less than the minimum number of hours. They shall be subject to the nine-hour rule, except that when registered for fewer than nine hours they must secure credit in them all.

UNIVERSITY REGULATIONS CONCERNING UNDERGRADUATE STUDENTS.

REGISTRATION.

On the appointed Registration Days, in September and February, each student must present himself at the Registrar's office for registration.

At the beginning of the second semester, one day only is given to registration. Matriculated students registering later than that day must pay a late registration fee of two dollars.

STUDY CARD.

Each student at the time of his registration at the beginning of each semester will receive from the Registrar a blank Study Card for the selection of studies for the semester. This card, properly filled out and signed by the student's major professor, and the instructors with whom work is taken, must be filed with the Registrar within three days of the date of registration. *Students failing to file their Study Cards within the time specified shall pay a fee of two dollars before being admitted to classes.*

ENROLLMENT IN CLASSES.

At the beginning of each semester, a student must present his certificate of registration to the instructors of the courses in which he desires to be enrolled, and satisfy the instructor in charge that he has had the prerequisite work.

CHANGE OF STUDIES.

If because of difficulties with the schedule, or if for any other reason satisfactory to his adviser, any student wishes to make a change in enrollment he may do so by obtaining a "Change of Enrollment Card" from the Registrar and complying with the requirements indicated upon the card itself, as follows: This card, to be effective, must be made out, dated, and signed by the adviser of the student in whose favor it is drawn. The date of use, except after special faculty action, must not be later than ten days from the date upon which the student registered in the University. The Registrar and all instructors are forbidden to honor it under any other conditions.

The instructor from whose course the change is made signs this card as an acknowledgment that he has been duly notified of the change. The instructor in the new course acknowledges by his signature that formal enrollment has been made.

Changes of course later than *ten days* after registration shall not be made until after favorable action by the Committee on Revision of Students' Courses, but petition for change of course will not be considered by the committee after *November 1*, for the first semester, and after *March 1*, for the second semester. Petitions for change of course must be approved and signed by the major professor of the petitioner, and the instructor of the course which the student desires to enter.

WITHDRAWAL FROM CLASS.

In case of a student leaving a course without substituting other University work for it, the act is to be regarded as a withdrawal upon fulfillment of the following conditions: The act is to be initiated either by the student himself or his adviser; the adviser, after consultation with the instructor giving the course from which withdrawal is desired, must approve; the withdrawal is then effective upon filing the withdrawal card, properly executed, with the Registrar. But withdrawal shall not be granted within one month of the final examination period. The mark "W" in semester grade reports is to be held as applying exclusively to the cases coming under this paragraph. Withdrawal cards may be obtained from the Registrar. Withdrawals reducing the number of hours on the card below thirteen, or in the case of seniors below twelve, are not permitted.

WITHDRAWAL FROM THE UNIVERSITY.

Students withdrawing from the University shall fill out either a *leave of absence card* or a *card of withdrawal.* Failure to comply with this regulation will lay the student liable to a grade of "F" for all his courses. These cards may be obtained from the Registrar.

DISMISSAL FROM COURSES.

Dismissal from a course may be made at any time by the instructor in charge and shall be effective after consultation upon the part of the instructor with the adviser of the student

concerned. Such dismissal shall be considered a failure, and shall be indicated upon the semester grade reports by "F."

AMOUNT OF WORK.

The maximum number of semester hours for students in the first three years is 16, minimum 13; for students in the senior class, maximum 16, minimum 12.

Students having deficiencies resulting from failure shall not be allowed to take any extra hours for graduation on account of such deficiencies.

Students without deficiencies, who have a record for the preceding semester in their grades of "S" and "H" in two-thirds of the number of hours regularly carried and none below "M," shall be permitted to take a maximum of 18 hours, the excess credits beyond 16 hours being forfeited in case of failure to maintain the standard mentioned.

MINIMUM AMOUNT OF WORK ACCEPTED.

Freshmen.

Students in the freshman class shall make not less than 18 semester hours during their freshman year, of which not less than eight hours shall be made in the first semester and not less than nine in the second. Failure to make the required hours will suspend the student for the following semester; a second failure will permanently sever the student's connection with the University.

Regular Students, Above Freshmen.

The failure on the part of a regular student above the freshman class to make nine hours' credit in a semester shall automatically suspend the student from the University for the following semester; a second failure to make nine hours' credit in a semester shall permanently sever the student's connection with the University.

ATTENDANCE AT CLASSES.

All students are expected to attend classes regularly. Daily reports are sent to the Registrar by all instructors. Any student not present at at least 80 per cent of the recitations in any subject will be debarred from examination in that subject. One-sixteenth of a semester hour will be deducted for each absence

from class; *provided, however,* that when a student is refused examination in a subject on account of absences no extra credit shall be deducted from other courses for such absences. Excuses for absences on account of sickness may be granted only at the discretion of a committee of the Deans. Students wishing absences excused must file with the Registrar a written request specifying the dates of the absences and the reasons therefor. The committee meets at the end of each semester.

LEAVING TOWN.

Every student before leaving town during the session of the University is expected, as a matter of courtesy, to obtain a *leave of absence* card. These cards may be obtained by the women from the Dean of Women, and by the men from the Dean of Liberal Arts.

CONDITIONS AND INCOMPLETES.

All conditions and incompletes in college subjects must be made up within one year.

Examinations for the removal of conditions will be held on the first Monday and the following Tuesday in December, and on the first Monday and the following Tuesday in May. Conditions may also be made up at the regular examination time.

CHANGE OF MAJOR.

A student may change majors at the beginning of any academic year, except the senior, by filing a petition, indicating the proposed change, with the Registrar. Change of major at any other time shall be made only with the consent of the departments concerned, and after action by the University Faculty.

SCHEDULE OF MARKS.

The University uses the following schedule of marks: H—highest or honor; S—superior; M—medium; P—passing; F—failure.

Approximately 50 per cent of the students in the class receive the grade "M," which indicates satisfactory or average work; 20 per cent receive the grade "S" and 5 per cent the highest or "H" grade; approximately 25 per cent of the class will receive grades lower than the average.

Cond., conditioned. Quality of work unsatisfactory, and probably re-examination required. The mark "Cond." is counted

the same as "F," failure, in estimating the number of hours a student has made (under the nine-hour rule) for the semester.

Inc., incomplete. Quality of work satisfactory, but unfinished for reasons acceptable to instructor, and additional time granted.

W., withdrawal from class at least one month before the beginning of the final examination period.

Both incomplete and conditioned work must be made up within one year. Failure means that the student cannot receive credits until the work is regularly re-registered and taken over again.

HONORS.

Honors granted by the University on graduation are of two kinds: Honors in General Scholarship, and Highest Honors in a Given Subject.

1. Honors in General Scholarship.

Students shall graduate *summa cum laude* when at least half their credits rank H, and not more than three credits M, none below; *magna cum laude* when not more than three credits rank below S, and none below M; *cum laude* when not more than three credits rank below M; when a student's credits rank lower than any of the above, he graduates *rite.*

2. Highest Honors in a Given Subject.

These honors are granted to students who show marked ability to do independent and productive work in their major subjects as evidenced by a thesis of unusual excellence (or its equivalent) and such other tests, formal or informal, as an appropriate committee of the Faculty may require.

Formal application for candidacy for Highest Honors shall be made at the time of filling out the registration card at the beginning of the senior year, and the major professor shall definitely enter upon the student's card either the thesis or the preparation for the special examination, allowing suitable credit therefor, not to exceed four semester hours for the year.

These honors take precedence over Honors in General Scholarship and are to be mentioned in the diploma, the Commencement program, the catalog of the succeeding year, and the General Register.

(Detailed information may be secured from the Registrar.)

GENERAL INFORMATION.

PUBLICATIONS.

The University of Oregon Bulletin is published monthly, except during the summer vacation. It furnishes information in regard to the current work of the University, and gives the results of special research undertaken by the various departments. The following are the bulletins of the new series issued during the year 1914-15:

VOLUME XII.

1. Correspondence-Study Department Announcements for 1915. September, 1914.
2. A Study of Oregon Pleistocene. Mrs. Ellen Condon McCornack. October, 1914.
3. Oregon High School Debating Bulletin. November, 1914.
4. The University of Oregon Extension Service. December, 1914.
5. Markets for Potatoes. Hon. H. B. Miller. January, 1915.
6. Summer School Catalog. February, 1915.
7. The School of Architecture. March, 1915.
8. General University Catalog. April, 1915.

The Oregon Emerald is published three times a week during the college year by the Student Body of the University. The paper is devoted to general college news, and aims to keep the students, faculty and alumni posted concerning the every-day happenings at the University and neighboring institutions. The staff consists of an editor, with eight or ten assistants. The various members of the staff are elected during the second semester and hold office for one year.

The Extension Monitor is a monthly magazine published by the University for distribution among correspondence students. Its purpose is to disseminate such directions and items of information as are to be sent to all students alike, and at the same time to bind the correspondence students, so far as possible, into a united corps and create among them a spirit of associated effort such as exists in a high degree on the Campus in the famous "Oregon Spirit."

The Press Bulletin is a page of news items sent about twice a month to the newspapers of Oregon. The people of Oregon own and support the University, and the effort is made to carry to the people such information about the University as will be of interest.

The Oregana is published annually by members of the junior class. It is a book of 400 pages and from 700 to 1,000 copies are issued. Its object is to present the life of the University from the student view point, and to that end it includes stories of University life, cuts of buildings and grounds, drawings, Campus scenes, class records, etc.

ORGANIZATIONS.

The Associated Students exercise general control over all student affairs within the University. The general management of its affairs is entrusted to an executive committee, consisting of a president, vice-president, secretary, and two members at large. Officers are elected on the second Wednesday in May of each year.

The Student Council consists of twelve members, whose duties and powers are as follows:

1. To act as an intermediary between faculty and students.
2. To appoint a yell leader and supervise features connected with University rooting.
3. To direct entertaining of visiting teams or any others who are guests of the University.
4. To assume charge of all other items of importance in which the students may be directly interested and which are not specifically ascribed to the Athletic Council or the Executive Committee.
5. To act as a board of appeal before which any student directly connected with the University of Oregon may place questions of student welfare.

The Council of Women Students holds regular meetings every two weeks for the discussion of matters pertaining to the welfare of the University women. Each club, sorority, and dormitory has one representative and an equal number of representatives are chosen by the girls not living in club. All members of the Council are seniors.

Literary.

The Laurean and Eutaxian Corporation was organized with a State charter in 1877 to further the literary interests of the societies of the University. Its library was for years the sole library of the University, and it furnished the nucleus for the present library.

The Laurean Society was founded in the first year of the University. Its purpose is to give its members "growth and development of mind, together with readiness and fluency of speech," and for this object a debate is held every regular meeting.

The Eutaxian Society is the literary society of the women of the University. It was organized in 1877, and has given valuable training to the numbers of students who from year to year have planned its work and carried out its programs. The program, which is varied from time to time, includes prepared and impromptu addresses, reviews and discussions of current events, debates, and parliamentary drills. Resident alumnae members take an active part in the work of the society, a fact which adds greatly to the strength and value of the organization.

Der Verein Germania.

Der Verein Germania was organized at the University of Oregon by students in the department of German. Meetings are held every two weeks, at which musical and literary programs and discussions are given in German. The purpose of the club is to familiarize its members with German customs and life, and to give them a more fluent command of the language. All students in the department of German are eligible for membership.

The Dramatic Club.

The Dramatic Club is composed of students of the University. All students are eligible who are successful in the try-outs held each fall. The purpose of the organization is to stimulate an interest in dramatic art and to develop latent talent among the members. At least two public rehearsals are given each year in addition to those given only before the club.

Chemistry Club.

The Chemistry Club is an organization meeting at 4 P. M. every Monday for the discussion of matters of current interest in the chemical world. The programs are made out under the supervision of a committee of students selected by the club for the purpose. The discussions are illustrated, where the subject matter will permit, by demonstrations, lantern slides, etc. All meetings are open to whomever may be interested. Announcements are to be found each week in the college papers.

Religious.

The Young Men's Christian Association of the University is an organization of students whose purpose is primarily to unite, promote and develop the religious forces among the students and faculty through weekly, and special religious meetings addressed by the very livest and most available men in the State, and through Bible study classes and discussion groups in the various fraternity and club houses. Also, to render service to the students by giving social service lectures, stag parties, extension trips, and miscellaneous help.

Last year the Association, through its free employment bureau, aided needy students to the extent of two thousand dollars in actual cash, and through the book exchange to the amount of two hundred and fifty dollars. Sixty per cent of the male students in the University are working their own way either wholly or in part.

The Association is on the Campus for service in every way possible, especially in aiding new students as they come to the institution for the first time.

The general secretary, who gives his entire time to this work, will be delighted to hear from any student, or prospective student, desiring information or help of any kind. Address him, in care of the University of Oregon, Eugene, Oregon, or call at the office of the Association immediately upon arrival on the Campus. Office in the basement of Deady Hall.

The Young Women's Christian Association was organized in March, 1894. Its purpose is to crystallize the Christian element in the University, and make the influence of that element felt among all the young women. Its social function is an important

part of its work. New students are met as they come from the trains, and everything is done to make them welcome. Devotional meetings are held every Tuesday afternoon at 4 o'clock in the Bungalow. Officers are chosen the first week in January to serve one year. Any young woman wishing information in regard to the Association is invited to correspond with the general secretary of the Association at Eugene.

The Publicity Committee of the Young Women's Christian Association has undertaken the work of an employment bureau to secure employment for girls who wish to take that means of helping themselves through college. A thorough canvass of Eugene is conducted each year and a list made of desirable places of this sort. Work can easily be found in pleasant homes which will enable a young woman to make her own way fully or in part.

Oratorical Associations.

In addition to the University instruction in Public Speaking, an active and earnest interest in public speaking is fostered and maintained through the agency of voluntary associations of students, which arrange and conduct debates and contests and cooperate with similar organizations in other institutions.

Inter-Collegiate Oratorical Association.

The Inter-Collegiate Oratorical Association is an organization of the following colleges and universities of Oregon: Pacific College, McMinnville College, Albany College, Oregon Agricultural College, Pacific University, Willamette University, and the University of Oregon. An annual contest is held each year in turn at each of the colleges interested.

Inter-State Debating League.

The Inter-State Debating League was organized in 1906, consisting of the University of Washington, University of Idaho, and University of Oregon. In the fall of 1911, the University of Idaho withdrew from the league, and Stanford University entered. Each institution has two teams, which support opposite sides of the question. The affirmative team remains at home and the negative team goes abroad. The contests are held on the second Friday in March of each year.

Oregon High School Debating League.

The Oregon High School Debating League was organized to promote debating in the high schools of the State, and has been successful much beyond the expectations of the organizers. The high schools enrolled are divided into five districts—Southern, Central, Eastern Oregon, Columbia River, and Coos Bay. The champions of the various districts debate each other, and the final debate for the championship of the State is held each May at the University of Oregon, the winning team being awarded a beautiful silver cup.

Athletics.

The Athletic Council of the University of Oregon, consisting of three members of the Faculty and the President *ex officio*, three members of the Alumni Association, and three members of the Student Body and the Graduate Treasurer, *ex officio*, exercises control over all athletic interests of the University. The football, track, basketball, baseball, and tennis teams are all under its direct supervision.

Infra-Collegiate Athletics.

The University emphasizes as far as possible infra-collegiate athletics, with the view that the greatest good may result to the greatest number. Inter-class and inter-club teams in basketball, tennis and baseball for men, and in basketball and tennis for women, bring to many who would otherwise take little or no exercise a very large benefit in the way of physical relaxation and recreation.

Girls' Tennis Club.

Women of the University have for their own use three standard tennis courts. Membership in the Girls' Tennis Club is purely honorary, selection being based upon individual proficiency in playing. An annual tournament is held, the winner receiving a silver cup. Tournaments are also held with other colleges.

Musical.

The University of Oregon Glee Club is a student organization, open to all students who are successful in the tryout held during the first week of the University year. The Glee Club is

composed of about twenty men. Yearly Thanksgiving concerts are given in Eugene and Portland, and a tour of the State is made during the Christmas holidays.

The Girls' Glee Club was organized during 1900. It consists of twenty or more voices, four on each part, and is under the direction of the University School of Music. Regular practice is held throughout the year, and an annual concert is given just before the Easter holidays.

The University Band is open to all students who are successful in the tryout. The band furnishes music for games, rallies, and other student affairs. It offers valuable training to those interested in this kind of music.

The University Orchestra holds weekly practices throughout the year. The orchestra is under the direction of Miss Winifred Forbes, instructor in violin, and those playing throughout the year are allowed two semester hours of credit.

STUDENT LOAN FUND.

Through the generosity of Mr. William M. Ladd, of Portland, Mr. A. S. Roberts, of The Dalles, and the Class of 1904, the University Loan Fund was begun. Although for a number of years the total amount of the fund reached only a little over $500, yet its benefits were large, and through it many students were enabled to complete their college course who otherwise could not have done so. At the beginning of 1909 Senator R. A. Booth, of Eugene, became interested, and through his efforts a number of others, among whom were Mr. Theodore B. Wilcox and Mr. J. C. Ainsworth, of Portland, and Mr. John Kelly, of Eugene, made substantial donations. The University now has the following funds:

The General Loan Fund, established by Mr. William M. Ladd, of Portland; Mr. A. S. Roberts, of The Dalles; the Class of 1904; Mr. Theodore B. Wilcox, of Portland; Mr. John Kelly, of Eugene, and other donors whose names have not been given, amounts approximately to $1,300.

The Roberts Loan Fund, established by Mr. A. S. Roberts, of The Dalles, $115.

The Booth Loan Fund, established by Senator R. A. Booth, of Eugene, $1,000.

The Ainsworth Loan Fund, established by Mr. J. C. Ainsworth, of Portland, $1,000.

The D. P. Thompson Loan Fund, established by the estate of the late D. P. Thompson, $1,000.

The Condon Loan Fund, established by Mrs. Ellen Condon McCornack, in memory of her father, the late Dr. Thomas Condon, for many years professor of geology in the University, $500.

The Class of 1911 Loan Fund. The Class of 1911 established a loan fund which when all paid in will amount to approximately $650. The interest of this fund is kept separate from the principal, the plan being to use the interest to publish a class history once each three years. The fund at present amounts to about $300.

The very generous donations have made it possible more nearly to meet all of the requests for assistance. Loans are made at a low rate of interest and every precaution is made to safeguard against loss. The matter of loans is in the hands of a committee consisting of the President of the University, the Dean of Liberal Arts, the Dean of Women, the Steward and the Registrar. Applications for loans are made on blanks furnished by the Registrar. At present loans are not made before the beginning of the sophomore year.

The women of the University are eligible to receive aid from the Scholarship Loan Fund of the State Federation of Women's Clubs.

TEACHERS' BUREAU.

The University maintains a teachers' bureau. It does not guarantee to find positions for all its graduates, but it will assist them in every way possible to find good locations. During the past few years the demand for well-trained university graduates to fill positions as principals and teachers in the high schools of Oregon has been much above what the University has been able to supply. All assistance which the University can give is freely at the command of its students and graduates who are prepared to teach.

GENERAL ASSEMBLY.

A General Assembly of the University is held each Wednesday at 10 A. M. Appropriate exercises are held and interesting and important addresses made by invited guests, or by the President or members of the Faculty of the University.

ALUMNI ASSOCIATION.

The Alumni Association of the University of Oregon was organized in 1879. The membership consists of all the graduates of the University. The objects of the Association are to "Advance the cause of higher education, to promote the interests of the University of Oregon, and to encourage mutual acquaintance and goodfellowship among the alumni." The annual meeting is held at Eugene during Commencement week. The dues of the Association are one dollar a year, fifty cents of which goes toward paying the general expenses and fifty cents for the subscription to the Oregon Emerald. The Emerald is sent to each member of the Association.

PRIZES AND SCHOLARSHIPS.

PRIZES.

The Failing Prize.

The Failing prize, not to exceed one hundred and fifty dollars, is the income from a gift of twenty-five hundred dollars made to the University by Hon. Henry Failing, of Portland. It is awarded "To that member of the senior class in the Classical, Scientific or the Literary course prescribed by the University, or such course as may, at the time, be substituted for either of said courses, who shall pronounce the best original oration at the time of his or her graduation."

In 1914 the Failing prize was awarded to Janet Young, of The Dalles.

The Beekman Prize.

The Beekman prize, not to exceed one hundred dollars, is the income of a gift of sixteen hundred dollars made to the University by Hon. C. C. Beekman, of Jacksonville. It is awarded under the same conditions as the Failing prize, for the second-best oration.

In 1914 the Beekman prize was awarded to Harold Quigley, of Portland.

The Bennett Prize.

The Bennett prize is the income from a gift of four hundred dollars made to the University by Hon. Philo Sherman Bennett, of New Haven, Connecticut. It is given for the best student paper on the principles of free government. The annual income is about $16.

The Alumni medal is presented annually by the Alumni Association of the University to the best individual student debater. The medal for 1914 was won by Victor Morris.

SCHOLARSHIPS.

Medicine.

The University of Oregon School of Medicine offers annually one full scholarship and two half scholarships. The holder of the full scholarship is exempt from all fees except some incidentals, the total reduction from the regular fees of the session

being $120 for the first and second years of attendance. The half scholarship carries a reduction of $60 for each session in the same way. Two half scholarships cannot be united to make one full scholarship. The scholarships are awarded to graduates of the University of Oregon having a bachelor's degree of not more than three years' standing at entrance to the Medical School. The awards are made by the Faculty of the University, subject to approval of the Medical Faculty.

Collegiate Alumnae Scholarship.

The Oregon Branch of Collegiate Alumnae offers to the young women of Oregon a scholarship of $200 at the University of Oregon.

Application for this scholarship should be made through an informal letter stating fully the work done in the preparatory school and the course desired in the University, with whatever further information the candidate may consider desirable. The candidate who, in the judgment of the committee, is the best fitted to do excellent work will be appointed. Applications may be addressed to the chairman of the committee, Miss Laura Northrup, Lincoln High School, or 261 Fourteenth Street, Portland, Oregon.

The Mary Spiller Scholarship.

The Mary Spiller Scholarship is given by the State Association of the University of Oregon Alumnae. It consists in the payment of board and room rent at Mary Spiller Hall, situated on the University Campus, for one school year.

Any girl graduate of an accredited high school of Oregon is eligible to this scholarship and it may be given to the same person more than one year, if the committee think it wise to so award it.

Applicants for this scholarship should send their application, with any recommendation or information which they may wish to include, to the Corresponding Secretary of the Association, Mrs. Edith V. Bryson, 532 Lincoln Street, Eugene, Oregon.

Portland Pan-Hellenic Scholarship.

The Portland Pan-Hellenic Society will give an annual scholarship to the University of $250. The society will select its own girl each year to receive it, beginning with 1915-16.

Rhodes Scholarship.

The next qualifying examination for scholars in Oregon under the Rhodes bequest will be held in October, 1915.

The scholarships are of the value of £500 a year, and are tenable for three years.

The examination for Oregon will be held at a center to be fixed by the local Committee of Selection. It should be clearly understood that this examination is not competitive, but simply qualifying, and is merely intended to give assurance that every elected scholar is up to the standard of the first examination (responsions) which the University demands of all candidates for the B. A. degree.

The Rhodes scholars will be selected from candidates who have successfully passed this qualifying examination. One scholar will be chosen.

Candidates must be unmarried, and must be citizens of the United States. Candidates are eligible who have passed their nineteenth birthday, but have not passed their twenty-fifth birthday on October 1 of the year for which they are elected.

It has been decided that all scholars shall have reached, before going into residence at Oxford, at least the end of their sophomore or second-year work at some recognized degree-granting university or college.

STUDENT EXPENSES.

INCIDENTAL FEE.

There is no tuition at the University of Oregon. The incidental fee, payable each year by students in all departments of the University, is $10. There is also a student-body tax of $8 per year for the support of student enterprises, which must be paid by all students at the time of registration. At the time of payment the student receives a ticket which admits him free of charge to all contests, concerts, games, etc., given on the campus by the Associated Students during the year. Graduate students are not required to pay the student-body tax. The fees in the School of Music vary with the instruction.

A diploma fee of $10 is charged for the first degree taken, and $10 for each succeeding degree. The rules prescribe that no person shall be recommended for a degree until he has paid all dues, including the diploma fee.

GENERAL EXPENSES.

Comparative statement of student's expenses for the academic year, from September to June:

	Low.	Average.	Liberal.
Incidental fee	$ 10.00	$ 10.00	$ 10.00
Student-body tax	8.00	8.00	8.00
Board and room	162.00	225.00	270.00
Sundries	120.00	157.00	237.00
	$300.00	$400.00	$525.00

The expenses of one person for a year vary according to the circumstances of the case, but, as will be seen from the above statement, are in general very low. The following estimate is probably substantially correct: Board and room from $18 to $30 per month. The usual price in clubs run by the students is $25 per month. Students often rent rooms and do light housekeeping, thus reducing the cost of living much lower than the figure given above.

MEN'S DORMITORY.

The Men's Dormitory is a three-story brick building located on the Campus. The men living in the Dormitory have a club organization, which is thoroughly democratic, by means of which, aided by the natural advantages of the location, a pleasant home is secured. The home and social life is cared for in a large, pleasant reading and reception room on the ground floor. The rooms are furnished throughout, with the exception of a mattress, bedding and towels, which are supplied by the occupants. The building is steam heated, and an abundance of hot and cold water is on each floor, with shower baths, lavatories, etc. There are about 50 rooms, which furnish accommodations for 60 to 70 men. The double rooms, or suites, easily accommodate three men, and some of the single rooms accommodate two men. The rooms and building are cared for by the Dormitory management, under the direction of the University. Excellent board is furnished in the dining room for $3.75 a week. The rate for the room rent is about 50 cents a week. The dining room accommodates 90 men. The Dormitory is run at cost, with only a small margin at the end of each school year for replacement and repairs, so that the students patronizing it are enabled practically to live for cost. All possible savings and economy are effected by the management, in the way of buying and serving, so that the service in the Dormitory is much better for the amount paid than can possibly be secured in private homes.

Following is a table of the expenses:

Room rent per semester, including laundry for beds, payable at beginning of each semester, per room .	$15.00
Board per week, payable monthly in advance	3.75
Room deposit, returnable at end of year	10.00

Applications for rooms should be addressed to the Matron, Men's Dormitory, University of Oregon, Eugene. If rooms are available at the time of the application, an assignment will be made at once; otherwise the names will be kept on file, the rooms to be assigned in order of application as vacancies may occur. The room deposits should either be sent in with the application, or when the assignment is made.

MARY SPILLER HALL.

Mary Spiller Hall, the girls' dormitory, will accommodate 20 girls. Each room is nicely furnished with bed and springs, rug, dresser, washstand, study table, chairs, and rocking chair. Each girl furnishes her own mattress, bedding, and linen. The following scale of prices will be in effect for 1915-16:

Room rent per semester, payable at beginning of each semester, per room	$7.50 to $15.00
Board per week, payable monthly in advance	3.75
Room deposit, returnable at end of year	5.00

The hall is located on the Campus, near the President's house, and is a very pleasant place to live. Applications for rooms should be addressed to the Matron, Mary Spiller Hall, University of Oregon, Eugene.

ROOMS IN PRIVATE FAMILIES.

The University publishes about September 1 of each year a directory of approved rooming and boarding places. The directory is sent free of charge, upon application to the Registrar. The number of rooming and boarding places each year is large, and students will have no trouble in finding good locations. Ordinarily, it is not advisable to engage a room before reaching Eugene. The price of rooms varies from $0.75 to $3.00 per week, and board from $3.50 to $6.00 per week. The average price for room and board in private families is $20.00 per month.

SELF SUPPORT.

Seventy per cent of the men attending the University are either wholly or in large part earning their own way by work in the summers and work done during the college year. Eugene is a rapidly growing town of 12,000 inhabitants, whose citizens are friendly to the University and take pleasure in affording to students the opportunity to earn their necessary expenses. The work available during the session consists of janitor work, typewriting, reporting, tutoring, waiting on table, clerking, clothes pressing, odd jobs, etc. The Y. M. C. A. conducts a free labor bureau, which is at the service of the students. The

demand for student help is usually larger than the supply. The University is glad to be of all possible assistance to those desiring to find work.

LABORATORY FEES.

In all laboratory courses a charge is made for the use of the laboratory and its equipment, for supplies used, and for breakage. At the end of the semester or year, depending on the course taken, any cash balances are returned or collected as the case may be. Payment of the fee must be made before enrollment in any laboratory course.

ORGANIZATION OF THE UNIVERSITY.

GRADUATE SCHOOL.

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS.
General Courses in Liberal Arts.
Special Courses including—
Course Preparatory to Medicine.
Course Preparatory to Law.

SCHOOL OF ARCHITECTURE AND FINE ARTS.

SCHOOL OF COMMERCE.

SCHOOL OF EDUCATION.
A four years' course.

SUMMER SCHOOL.
A six weeks' course.

SCHOOL OF CORRESPONDENCE-STUDY.

SCHOOL OF LAW.
A three years' course.

SCHOOL OF MEDICINE.
A four years' course.

SCHOOL OF MUSIC.
Theory, Harmony, and Musical History.
Piano.
Voice.
Violin.

THE GRADUATE SCHOOL.

ORGANIZATION.

The administration of the Graduate School is entrusted to the Graduate Council, of which the Dean of the school is chairman. The Council has such authority as is sanctioned by the Faculty of the University. The Graduate Faculty is composed of those offering courses approved as carrying graduate credit.

ADMISSION.

Any graduate holding a Bachelor's degree or its equivalent from a reputable college or university will be admitted to the Graduate School without examination, and may register for such graduate work as he may be found prepared to enter upon, but he will not thereby be admitted to candidacy for a higher degree until his case has been duly considered and approved by the Graduate Council.

All inquiries concerning admission to the Graduate School should be addressed to the Dean. The student intending to become a candidate for a higher degree should file with the Dean as his credentials his diploma, a copy of the catalogue of the institution from which he graduated, and a transcript of scholarship record as an undergraduate and for graduate work completed, if any, in other institutions.

If the rating of the institution from which he received his first degree is such that he will need a year's additional work before beginning real graduate work at this institution, he would do better to enter one of the undergraduate schools of the University and obtain the preliminary training and an acceptable Bachelor's degree.

College graduates who simply desire to take additional work of an undergraduate grade without a view to preparation for an advanced degree should apply directly to the Registrar and follow the procedure prescribed for undergraduates in registering. Such college graduates will, however, have the status of graduate students and will be exempt from the undergraduate student-body tax.

FEES.

All graduate students, not members of the instructional staff, are required to pay a registration fee of $10 for each year in which they do residence work. Members of the instructional staff may register for graduate work on payment of a registration fee of $5. The fees for graduate work done through correspondence include a registration fee of $1 for each period of twelve months through which the work is extended, and a fee of 50 cents for each credit hour of graduate courses undertaken.

REGISTRATION PROCEDURE.

A graduate student in residence, but not a candidate for an advanced degree, can complete his registration by paying the registration fee for the year at the Steward's office, and receiving a study card for each semester from the Registrar to be filled out by the professor in charge of his major line of work. Graduate students not candidates for an advanced degree and not in residence will follow the procedure of registration prescribed for all students in the School of Correspondence-Study.

A graduate student who desires to do graduate work for an advanced degree, whether he begins in absence or in residence, should first have filed his credentials with the Dean of the School and have filled an application blank. He will then be advised as to what departmental heads to confer with for determining the lines of work advisable for him to undertake.

The Graduate Council with the aid of the credentials filed and the plans of study submitted by the heads of the departments interviewed will pass upon the requirements to be made of the candidate for earning the degree applied for. The candidate having the conditions thus definitely determined under which he may begin his work for a higher degree pays the required registration fee and receives each semester a study card to be filled out by his major professor. The courses on it to carry credit towards earning the degree must have the approval of the Graduate Council.

ASSIGNMENT OF STUDIES.

The heads of the departments in which the student chooses to take his major and minor work determine the combination of courses that he shall pursue, subject to the approval of the Graduate Council. These departmental heads along with an additional member of the Graduate Faculty selected on the basis of the amount of personal knowledge of the character of student's work shall constitute his Special Committee, who shall conduct his examinations, and upon completion of all requirements certify to the Graduate Council his having earned the degree. The head of the department in which the candidate for an advanced degree takes his major work shall be his adviser, and chairman of his Special Committee.

DEGREES GRANTED.

The University now offers the following advanced degrees: Master of Arts and Master of Science.

Requirements for These Degrees.

(1) Residence Requirement. The regular minimum residence requirement made of candidates for the Master's degree shall be one year. However, if the candidate's major and minor lie in departments that offer the requisite graduate courses at the summer school and through correspondence-study so as to make possible the earning of the credits necessary to meet the scholarship requirements made of candidates for the Master's degree the following modified residence requirements will be accepted subject to the approval of the Graduate Council:

(a) The minimum residence requirement made of candidates who offer a combination of approved graduate summer school and graduate correspondence-study courses shall be eighteen hours, of which twelve hours at least must be earned in summer school courses, and the remainder of the residence requirements may be fulfilled through study in libraries and laboratories under the direction of the head of the department in which the candidate is preparing his thesis.

(b) In order that the courses taken in summer school and through correspondence-study may be acceptable for A. M. credits

they must be listed as courses for "graduates and advanced undergraduates," and must be sanctioned by the resident heads of the respective departments as graduate courses.

All work done through correspondence-study for the Master's degree shall be in regularly outlined and organized courses of the Correspondence Study department, except that the Graduate Council may by special action sanction a proposed line of study for earning graduate credit that is specified by the head of the department concerned.

(2) Scholarship Requirements. The work to be counted toward an advanced degree must be divided between a major subject and a minor, the former receiving approximately twenty semester hours and the latter ten. Six of the thirty hours may, at the option of the candidate's Special Committee, be assigned to the thesis. All candidates must, on or before Monday of the third week before the last of the University year in which the degree is to be conferred, file with the Registrar for the Graduate Council a thesis approved by the chairman of his Special Committee having charge. Within the week in which the thesis is filed the candidate shall sustain a public oral examination by his Special Committee.

No graduate student shall receive any credit toward a degree for grades less than "M." At least one-third of the credits required for the degrees of Master of Arts or Master of Science shall be "H" or "S."

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS.

THE FACULTY.

P. L. Campbell, LL. D., President.

John Straub, Lit. D., Dean of the College of Literature, Science and the Arts, Professor of Greek Language and Literature.

Eric W. Allen, B. A., Professor of Journalism.

Fred Carleton Ayer, M. A., Professor of Education.

James D. Barnett, Ph. D., Professor of Political Science.

Hugo Bezdek, B. A., Assistant Professor of Outdoor Athletics.

John Freeman Bovard, M. S., Professor of Zoology.

William Pingry Boynton, Ph. D., Professor of Physics.

Julia Burgess, M. A., Assistant Professor of Rhetoric.

Robert Carlton Clark, Ph. D., Professor of History.

Timothy Cloran, Ph. D., Professor of Romance Languages.

Edmund S. Conklin, Ph. D., Professor of Psychology.

Edgar Ezekiel DeCou, M. S., Professor of Mathematics.

Frederic Stanley Dunn, M. A., Professor of Latin Language and Literature.

Colin V. Dyment, B. A., Professor of Journalism.

Charles H. Edmondson, Ph. D., Assistant Professor of Zoology.

James Henry Gilbert, Ph. D., Assistant Professor of Economics.

William L. Hayward, Director Men's Gymnasium.

Clifton Fremont Hodge, Ph. D., Professor of Civic Biology.

Herbert Crombie Howe, B. A., Professor of Modern English Literature.

Edward H. McAlister, M. A., Professor of Mechanics and Astronomy.

Graham J. Mitchell, M. A., Assistant Professor of Geology.

Mable Holmes Parsons, M. A., Professor of Rhetoric.

Ellen M. Pennell, Assistant Professor of Rhetoric.

Mary H. Perkins, M. A., Assistant Professor of Rhetoric.

Robert W. Prescott, B. A., Assistant Professor Public Speaking.

GEORGE REBEC, Ph. D., Professor of Philosophy.

ARCHIBALD F. REDDIE, B. A., Professor of Public Speaking.

JOSEPH SCHAFER, Ph. D., Professor of History.

FRIEDRICH GEORG G. SCHMIDT, Ph. D., Professor of the German Language and Literature.

HENRY DAVIDSON SHELDON, Ph. D., Professor of Education.

FREDERICK LAFAYETTE SHINN, Ph. D., Assistant Professor of Chemistry.

WARREN D. SMITH, Ph. D., Professor of Geology.

WILLIAM MACKAY SMITH, Ph. D., Professor of Mathematics.

ORIN FLETCHER STAFFORD, M. A., Professor of Chemistry.

FRED L. STETSON, M. A., Assistant Professor of Education.

BERTHA STUART, B. A., M. D., Director Women's Gymnasium.

ALBERT RADDIN SWEETSER, M. A., Professor of Botany.

W. F. G. THACHER, M. A., Professor of Rhetoric.

EDWARD THORSTENBERG, Ph. D., Professor of Scandinavian Languages and Literatures.

ROY M. WINGER, Ph. D., Assistant Professor of Mathematics.

FREDERICK GEORGE YOUNG, B. A., Professor of Economics and Sociology.

CECELIA SMITH BELL, B. A., Assistant Instructor in English Literature.

R. W. BROECKER, B. A., Instructor in Education.

ALBERT E. CASWELL, Ph. D., Instructor in Physics.

KARL M. DALLENBACH, Ph. D., Instructor in Psychology.

KATHRINA MODE DAVIS, M. A., Instructor in Rhetoric.

JOHN E. GUTBERLET, Ph. D., Instructor in Zoology.

CAMILLA LEACH, Assistant Instructor in Drawing.

GEORGE H. O'DONNELL, B. A., Instructor in German.

JOHN P. O'HARA, Ph. B., Instructor in History.

EDGAR W. SHOCKLEY, Instructor in Physical Education.

HARRIET THOMSON, B. S., Assistant Director Women's Gymnasium. Gymnasium.

MARY WATSON, M. A., Instructor in English Literature.

ORGANIZATION.

The College of Literature, Science, and the Arts includes the following departments:

Botany, Chemistry, Rhetoric and American Literature, Modern English Literature, Economics and Sociology, Political Science, Education, Geology, German, Greek, History, Journalism, Latin, Mathematics, Philosophy, Psychology, Physics, Romance Languages, and Zoology.

SPECIAL COURSES.

A number of courses specially preparatory to professional work are outlined by the various departments.

Course Preparatory to Medicine.

The requirements for admission to the University of Oregon Medical School comprise, as a minimum, the following:

1. The successful completion of a four-year high school or academic course, or an equivalent thereof.

2. The successful completion of two years in the Department of Liberal Arts of the University of Oregon, or in an institution acceptable to the University of Oregon.

3. A certificate of good moral standing, signed by two reputable physicians.

A few medical schools require three years of college work for admission. This usually means that the student takes three years of chemistry, biology and a foreign language, but has a wider range of electives, giving him a broader foundation for his medical work. A course in Psychology is usually advised as a helpful subject where the student has time to take it. A few schools require, for admission, either the A. B. or B. S. degree.

If possible, the student should look forward to a full college course as the highest type of preparation for beginning his medical work. In accordance with this, the University of Oregon gives, besides the two-year pre-medical course, a pre-medical course extending over three or four years, as the student may

choose. On the successful completion of the four-year course the student is given either the A. B. or the B. S. degree. In this course the student has ample opportunity to branch out into other than his special subjects and at the same time there is sufficient time to cover many subjects that are helpful directly to the courses in the Medical School. The completion of such a course gives a much broader and better foundation for the student's life work.

Course Preliminary to the Study of Law.

It is a noticeable tendency of the times to require a more thorough preparation for all the professions. In none is this tendency more marked than in the profession of law. Therefore every student who expects to enter this department is urgently recommended to secure as thorough a collegiate course as his circumstances will permit. A two-year course of studies termed the Pre-Legal Curriculum has been arranged for those who can not take the full collegiate course in preparation for their professional work in Law. Its purpose is to concentrate, and thus conserve, the student's energies by directing his efforts into fields which, while affording most valuable cultural results, will at the same time, it is thought, best prepare his mind to deal effectively with the Law as student and practitioner. To this end the following course has been recommended:

Pre-Legal Curriculum.

First Year.

English Composition (1)	6 hours
History (6, 7)	6 hours
Chemistry (1)	8 hours
Mathematics (1)	6 hours
Latin (Beginners' Course)	6 hours
or, if student can read simple Latin prose with ease, then Roman Law or Elementary Law (3)	3 hours
and Economics (1, 2)	4 hours
Physical Training.	

Second Year.

American Government (1)	3 hours
Psychology (1)	6 hours
French or German (1)	10 hours
Economics (3)	6 hours
Philosophy (History) (1, 2)	6 hours
Philosophy (Logic) (3)	2 hours
Physical Training.	

Pre-Engineering Course.

Owing to the fact that a number of students who later expect to take up technical engineering courses prefer to spend two or three years in broader Liberal Arts courses before beginning their technical training, the University has outlined the following suggested two-year and three-year pre-engineering courses:

First Year.

English	6 hours
Foreign Language	8-10 hours
Mathematics	10 hours
Chemistry	8 hours

Second Year.

Foreign Language	6-8 hours
Mathematics	10 hours
Physics	8-10 hours
Mechanical Drawing	4 hours

Third Year.

Analytical Mechanics	6 hours
Descriptive Geometry	2 hours
Graphic Statics	2 hours
Electrical Measurements	6 hours
Mineralogy	6 hours
Economics	6 hours
History	6 hours

GRADUATION.

The degree of Bachelor of Arts is conferred upon students of the College of Literature, Science, and the Arts who have been in residence at least one academic year, and who have secured one hundred and twenty semester hours of credit, including the required work, exclusive of prescribed physical training; but the degree of Bachelor of Science may be conferred upon students conforming to the requirements enumerated above and electing majors in Natural Science or Mathematics, provided that written request for this degree be filed with the Registrar of the University at least thirty days before the date upon which the degree is to be granted.

REQUIRED WORK.

A semester hour is the credit given for a course consisting of one recitation, lecture, or laboratory period a week for one semester of twenty weeks. Three hours shall constitute a laboratory period.

Major—Every student on entering the University must choose a major subject. The work required in the major subject (including thesis) shall not be less than twenty nor more than forty semester hours, but a student may, if he desires, take extra hours in any one department up to a total of five, making the total hours in that department forty-five.

Personal Hygiene—One lecture per week, on personal hygiene, for which college credit is given, is required of all freshmen women.

Thesis—Each candidate for the Baccalaureate degree shall present at the option of his major professor an approved graduating thesis in his major subject. Credit not to exceed four semester hours may be allowed for the preparation of the thesis.

Physical Training—In addition to the one hundred and twenty semester hours required for graduation, six semester hours shall be earned in physical training, three in the Freshman year and three in the Sophomore. In case students are for valid reasons excused from physical training, such students shall earn an equivalent amount of credit in other departments,

i. e., students excused from gymnasium shall complete 126 semester hours of University work for graduation. Three hours in the gymnasium shall be equivalent to one semester hour. A physician's certificate only shall count as a valid excuse from gymnasium work.

Language—Every candidate for the degree of Bachelor of Arts, or Bachelor of Science in the College of Literature, Science, and the Arts, shall secure during his Freshman and Sophomore years credit in languages other than English to the extent of 14, 16, 18, or 20 semester hours, which shall be taken in two year-courses.

In case of students entering the University conditioned in foreign language, the requirement is increased by six or ten semester hours, as stated on page 41.

DEPARTMENTS OF INSTRUCTION.*

Announcement of Courses for 1915-16.

BOTANY.

PROFESSOR SWEETSER. MISS HOWELL.
MISS SANBORN

(a) Introductory courses as a foundation for study in Botany and Zoology; (1) for students preparing for the study of Applied Science; (2) for students seeking general culture; (3) for those preparing to teach Science in secondary schools; (4) for students preparing for the study of Medicine.

(b) Intermediate courses for those planning for more extended study along the lines of Biology or Geology.

(c) Advanced courses for students in the Graduate School and for those seeking specialized study and research as far as the resources of the department will permit.

Students taking work preparatory to Medicine, Dentistry, and Pharmacy should elect the following courses in this department: 1, 2, 3, 5, 6, and 11.

1. **Cryptogamic Botany and Taxonomy of Phenogams.** Three lectures and one laboratory period. Morphology, Physiology, and Ecology of the flowerless plants and classification of Phenogams and Cryptogams. Open to freshmen. Lectures on Monday, Tuesday and Thursday at 8; laboratory periods Tuesday or Wednesday afternoon. *Four hours, first semester.*

2. **Phenogamic Botany.** Three lectures and one laboratory period. An introductory study of Morphology, Physiology, and Ecology of the flowering plants, both Angiosperms and Gymnosperms. It is intended for beginners or for those who wish to get a comprehensive view of the subject. Open to all freshmen. Lectures on Monday, Tuesday and Thursday at 8; laboratory periods Tuesday or Wednesday afternoon.

Four hours, second semester.

3. **Structural Botany and Plant Histology.** One lecture and two laboratory periods. Prerequisites, Courses 1 and 2. Must precede Course 5. *Three hours, first semester.*

*Alphabetically arranged according to departments.

4. **Plant Physiology and Morphology.** One lecture, two laboratory periods. An advance course, and will include a more or less extended study of plant organs and vegetal functions. Prerequisites, Courses 1 and 2.

Three hours, second semester.

5. **Medical Botany.** One lecture, two laboratory periods. A study of some of the typical medicinal plants, their structure, habitat and medicinal properties. Also a few powdered drugs and their adulterants. Prerequisites, Courses 1, 2 and 3.

Three hours, second semester.

6. **Bacteriology.** One lecture, two laboratory periods. Laboratory technique and lectures, methods of staining, examining, and cultivating bacteria. Advised for pre-medical students, both semesters. In connection with Physical Culture and in preparation for Domestic Science, first semester. Not given 1915-16. *Three hours, first semester.*

7. **Economic Botany.** Biological examination of water, bacteriology of milk, foods, etc. Vegetal food stuffs, dietetics, pure foods and adulterated. One lecture, one laboratory period.

Two hours, second semester.

8. **Systematic Botany.** (a) Taxonomy of Cryptogams, Mycology, and Algology. (b) Higher Cryptogams and Phenogams. (c) Native shrubs and trees. *Hours to be arranged.*

9. **General Biology.** Two lectures. Devoted to the study of plant and animal structure and some of the fundamental principles of life. Discussion of evolution from biological standpoint, the theories of Lamarck, Darwin, Weiemann, DeVries, Mendleism, heredity and environment; open only to juniors and seniors. Tuesday and Thursday at 11.

Two hours, second semester.

9a. **Biology Demonstration.** Intended for those electing Course 9 and desiring in addition a laboratory study of some simple life problem. *One hour, each semester.*

10. **Research.** Thesis and other investigations.

11. **Sanitary Hygiene.** The economy of the microbes, pure water, pure air, pure milk, and pure food. Lectures. Open to all. Tuesday and Thursday at 11. *Two hours, first semester.*

12. **Pedagogical Colloquium.** Suggestions in methodology for those intending to teach. *One hour, each semester.*

EQUIPMENT.

Mr. Thomas Howell has donated his large herbarium, containing many types species, to the University. This collection will be available for students in Systematic Botany.

The Leiberg collection of 15,000 sheets of specimens, mostly from Oregon and Idaho, has just been given to the University by Mr. Leiberg. They are for the most part duplicates of specimens filed with the Government, and are extremely valuable.

The collection of Mr. W. C. Cusick of 10,000 sheets has been purchased and Mr. Cusick will make additional collections for the University Herbarium.

LABORATORY FEES IN BOTANY.

A deposit of $5.00 is required for each laboratory course, with the exception of Botany 1, Botany 2, and Botany 8, which are $2.00 each, and Botany 7, which is $2.50. Additional expense for supplies, if any, is met by the purchase of coupons. The usual expense to the student in advanced courses is from $2.00 to $4.00.

CHEMISTRY.

PROFESSOR STAFFORD. PROFESSOR SHINN.
MR. WHITMAN.

Students electing Chemistry as a major will in general be expected to take Course 1 during the Freshman year, Courses 3 and 4 in the Sophomore year, and Courses 5 and 10 during the Junior year. The Senior year may be devoted to whatever courses the department may offer during that year which will most nearly meet the demands of the special line of work to be taken up after graduation. Prerequisites and closely allied work during the college course include German, French, Mathematics, Physics, Mineralogy, Biology, etc., depending again upon the work for which the student is making preparation.

1. **General Chemistry.** This course or a satisfactory equivalent is prerequisite for all other work in this department. Its purpose is to give a general introduction to the science, emphasizing, incidentally, many practical applications of Chemistry in the affairs of every-day life, manufactures, metallurgy,

etc. Three lectures are given each week for the year in which the subject material of the course is illustrated by elaborate lecture experiments, while numerous specimens, models, charts, lantern slides, etc., serve to give the subject a living interest by bringing the students as nearly as possible into contact with its practical aspects. Three hours of laboratory work per week for the year, with the ample facilities for laboratory work that this department now offers, affords a good opportunity for first-hand contact with the experimental truths of chemistry and for training in laboratory methods. Lectures on Monday, Wednesday and Friday at 11; laboratory periods 1 to 4, Wednesday, Thursday or Friday. Professor Stafford.

Four hours, both semesters.

3. **Analytical Chemistry.** A course in qualitative analysis embracing the systematic separation and detection of the common inorganic radicals, followed by a course in quantitative analysis consisting of exercises illustrating the important methods of gravimetric and volumetric determinations. One lecture or recitation per week at an hour to be arranged. Laboratory open to students in this course 1 to 5, Monday, Tuesday and Wednesday. Professor Shinn.

Three or four hours, either semester.

4. **Analytical Chemistry.** Continuation of Course 3. Devoted to quantitative analysis. *Either semester.*

5. **Organic Chemistry.** An introduction to the chemistry of the hydrocarbons and their derivatives. The subject-matter of this course is a necessity to the advanced student of Chemistry, and students of Medicine, Pharmacy, Biology and kindred subjects. Three lectures a week for the year. Laboratory requirements are the satisfactory completion of 25 preparations to be assigned by the instructor. Monday, Wednesday and Friday at 9. Professor Shinn. *Four hours, both semesters.*

8. **Physiological Chemistry.** A brief study of the chemical constitution of the body, of foods and of excretion and of the chemical changes accompanying metabolism. The laboratory work will be selected from the following subjects: A study of fats, carbohydrates, and proteins; the products of salivary, gastric and pancreatic digestion; milk, egg, bile and blood; the chemical and microscopic examination of normal and

pathological urine. Lectures twice a week and one three-hour laboratory period per week. Must be preceded by course 5.

Three hours, second semester.

10. **Advanced Inorganic Chemistry.** A course designed to follow the year of General Chemistry and to be taken in connection with the technical courses of the second and third years of Chemistry study. Lectures only. Tuesday and Thursday at 11. Professor Stafford. *Two hours, both semesters.*

12. **Advanced Analytical Chemistry.** Laboratory practice in gravimetric, volumetric and electro analysis. The following subjects are covered, from which the student may select to suit his own particular needs: Ores and alloys of copper, zinc, chromium, manganese, arsenic, antimony, lead, etc.; clay, rock, and cement; iron and steel; paints; fertilizers; gas, in which the student acquires familiarity with the apparatus through analysis of air, gaseous mixtures, and illuminating gas; fuel including proximate and ultimate analysis of wood, coal, gas, and oil, and the determination of their heating values by the Parr, Mahler, and Hinman calorimeters. Fortnightly lectures in which is taken up the theory, calculation, and interpretation of data. Prerequisite, Courses 3 and 4. Professor Shinn. *Two hours or more, either semester.*

14. **Industrial Chemistry.** Typical industries are studied for the purpose of bringing out the technique of applied chemistry as well as to give specific information regarding the cases discussed. Subjects usually discussed are: Fuels, cements, lime, plaster, alkalis, acids, coal, gas, producer gas, ammonia, electric furnaces and their products, and electro-metallurgy. Lectures, collateral reading, and reports.

Two hours, both semesters.

16. **Physical Chemistry.** The elements of this subject. Two lectures and one three-hour period for laboratory work or calculations. *Three hours, both semesters.*

18. **Electro-Chemistry.** One lecture and three hours of laboratory or computation per week.

Two hours, second semester.

21. **Sanitary Chemistry.** The chemistry of water purification, sewage treatment, food preservation and adulteration, etc.

Two hours, first semester.

27. **Teachers' Course.** A one-hour course devoted to the discussion of teaching problems in chemistry. Students taking this course will be required to supervise a certain amount of laboratory work.

LABORATORY FEES AND PURCHASE OF MATERIAL.

A deposit of $10 for each laboratory course in which enrollment is made must be placed with the University Steward to stand as a security for the unreturnable portions of the outfits loaned at the beginning of laboratory work, and as a fund from which may be deducted a proportionate share of the cost of material supplied to the course in a general way. This deposit, as a rule, does not nearly cover the entire cost of the outfits, and the transaction is made with the understanding that where the breakage and other losses are excessive the student is to make good whatever the amount may be over and above the deposit. The University reserves the right in all cases to withhold credit for work done until laboratory accounts are fully settled.

Loans of additional material are made from time to time as may be necessary, the charges for which are punched from coupons issued in sums of one dollar by the University Steward. Such additional material need not necessarily be obtained from the store room, however, but from wherever it may be desired so long as it is available when needed, and is adapted in all respects to the course requirements; but in order to avoid the accumulation of heterogeneous material in the store room, the department will not receive any article for credit at the end of a course that was not originally dispensed from the regular stock. Since a large part of the apparatus carried in the store room is imported free of duty for use in the University laboratories only, the department does not relinquish title to the material taken out, but considers the transaction as a loan, with the understanding that unused material is to be returned for credit in all cases.

All returnable material, as well as unused portions of coupons, are redeemable at the close of the laboratory work in any course at their charged value, and cash balances are collected or returned as the case may be.

The approximate cost of the laboratory courses outlined above is as follows: General Chemistry, $10; Analytical Chemistry, $15 to $20; Organic Chemistry, $15 to $20. In addition to the $10 deposit each student is required to purchase one or more of the one dollar coupons at the time enrollment is made.

It is especially to be noted that these deposits are to be made preliminary to enrollment in laboratory courses. There should therefore be due provision on the part of the student for the prompt payment of the amounts in order that no hardship may be incurred by the delay that otherwise must follow.

ECONOMICS AND SOCIOLOGY.

PROFESSOR YOUNG. ASST. PROF. ———. PROFESSOR GILBERT.

The courses offered by this department are designed to meet the needs of students who intend to enter the public service, business, the professions of law, journalism, the ministry, or who are preparing to teach in this field or in that of history or literature. Students planning to follow engineering or other practical pursuits who wish to round out their preparation for life on the business, social, and civic sides, will find courses especially adapted to their needs. Preparation for those higher and wider responsibilities of citizenship that should be assumed by every university man or woman is provided for in comprehensive courses. (See Courses Nos. 3 and 4.)

Regular field work in special lines of commonwealth service will be undertaken. The scope of the department's activities will be extended through services of members of the teaching staff offered as consulting aids to municipalities and to counties in securing higher efficiency in public affairs. The development of cooperative business organizations will also be fostered through the tendering of expert aid.

The work of this department has thus the following distinct but related aims:

1. To provide in cooperation with other departments the regular preliminary university instruction for several practical and professional pursuits.

2. To supplement the work of other departments in providing the lines of study necessary in the training for efficient citizenship.

3. To assist and encourage the development of these sciences and to stimulate a larger utilization of their principles in the organization and in the affairs of this commonwealth. (See "Research or Theses Course," No. 19.)

5. To furnish direct expert aid toward the attaining of a higher economic and social order for the people in their communities throughout the State and for the State at large.

Special attention is called to the courses of the department of History, which are naturally preliminary to thorough work in this department; to the general course in Biology for concepts helpful in the study of Sociology; and to related courses in Psychology, Philosophy and Ethics.

Open to Freshmen at the beginning of the University year.

Economics: Courses 1 and 2, and if student has had the requisite preparation, Course 3.

ECONOMICS AND SOCIOLOGY.

I. Primarily for Undergraduates.

1. **Economic and Social History of England.** This course is introduced with a sketch of the social and industrial evolution of mankind to the stage represented by the inhabitants of England at the time of the Saxon invasion. The nature of the social and industrial organization of the English people is traced through its successive modifications down to the present time, and the influences affecting it identified. Industrial development on the continent is at each stage brought into comparison with that of the English people. Textbook, assigned readings, and exercises Tuesday and Thursday at 11 and 2. Asst. Professor ———. *Two hours, first semester.*

2. **The Economic and Social History of the United States.** The development of the characteristic lines of agriculture, industry, and commerce in the United States is studied and the interaction bewteen this economic development and the political and social institutions noted. Tuesday and Thursday at 11. Asst. Professor ———. *Two hours, second semester.*

3. **The Principles of Economics.** The principles that underlie the different economic relations and institutions are developed and applied. The elements in the more important economic problems are pointed out. Textbook, assigned readings, and exercises. Monday, Tuesday and Thursday at 8; and Tuesday, Thursday and Friday at 10. Professor Gilbert.

Three hours, both semesters.

4. **The Elements of Sociology.** The influences and factors determining human life in association are studied. A comprehensive view of the social process is developed. The relations and the organization characterizing progressive society are identified and their reactions on the mental life of the individual are investigated. Monday, Wednesday and Friday at 9. Professor Young. *Three hours, both semesters.*

II. For Advanced Undergraduates and Graduates.

5. **The Labor Problem.** Topics considered are: The rise of the factory system, factory legislation, the growth of trade unions, and changes in the law in respect to them, the policies of trade unions, strikes, lockouts, arbitration and conciliation, proposed solutions of the labor problem, and the future of labor in the United States. Tuesday and Thursday at 11. Professor Gilbert. *Two hours, first semester.*

11. **Public Finance.** It is the aim of this course to ascertain principles of public expenditure, public revenue, budgetary legislation, financial organization, and public indebtedness. These principles will then be applied to concrete problems connected with corporation, railway, mortgage, and insurance taxation, and double taxation, and the income, the personal property and inheritance taxes. Monday, Wednesday, and Friday at 11. Professor Gilbert. *Three hours, both semesters.*

13. **Money, Banking, and Economic Crises.** The principles of Economics are applied to modern monetary systems with the view of developing policies of improvement. The conditions attending the development of industrial and monetary crises are analyzed. Tuesday and Thursday at 2. Professor Gilbert.

Two hours, both semesters.

15. **History of Economic Thought.** The interactions between the ideas pertaining to economic interests and the conditions

of economic life, also the relations between the economic thought and the philosophical speculations of successive epochs are traced. The existing schools of economic thought are defined. Monday, Wednesday, and Friday at 9. Professor Gilbert. *Three hours, first semester.*

16. **Distribution of Wealth.** An historical and comparative study of the theories of leading economists. Tuesday and Thursday at 9. Professor Young. *Two hours, first semester.*

17. **Railway Transportation.** A study of the transportation agencies as factors in the modern economic and social order, with special emphasis on the principles of rate making and rate regulation and railway finances. Tuesday, Thursday and Friday at 10. Professor Young. *Three hours, first semester.*

18. **Corporation Management.** A study of the development of the forms of business organization, the promotion and financing of modern enterprises, and their relation to the control of industry as to prices fixed and practices followed, and the distribution of wealth. Tuesday, Thursday and Friday at 10. Professor Young. *Three hours, second semester.*

19. **The University and the Commonwealth.** Theses for Seniors in Economics and Sociology. Seminar Monday at 10. Library hours for research fixed by special arrangement. Professor Young. *Two hours, both semesters.*

20. **Modern Sociological Thought.** A survey of the works of leading sociological writers, and a synthesis of their systems. Monday, Wednesday and Friday at 11. Professor Young. *Three hours, both semesters.*

21. **Socialism and Social Reform.** An accounting of the pathological conditions in our present social order. A critical examination of Socialism as a program of social reform. Prime conditions of social betterment. Tuesday and Thursday at 9. Professor Young. *Two hours, second semester.*

24. **The Economics of Cooperative Organization** for main lines of Oregon business enterprise. (Not given in 1915-16.) *Two hours, first semester.*

25. **The Principles of Efficiency** in the affairs of the school district, the county, the municipality and the State governments. (Not given in 1915-16.) *Two hours, second semester.*

EDUCATION.

PROFESSOR SHELDON. PROFESSOR AYER. MR. BROECKER.
ASSISTANT PROFESSOR STETSON.

It is the aim of this department to offer a group of courses which will acquaint the student with the results and methods of work in all the important departments of modern pedagogy. This work is fundamental to students in the School of Education. The State law stipulates 15 hours in Education as a part of the requirements for certification of high school teachers. Owing to the advanced nature of the courses, with the exceptions of Courses 1 and 2, students will not ordinarily be admitted to the classes in pedagogy until the beginning of their junior year. Students should consult with the department of education before planning courses leading into the teaching profession.

A more detailed statement of the work of the department and the School of Education may be obtained by referring to the announcement of The School of Education in this catalog.

1. **Principles of Education.** An introduction to the general field of education. This course should precede all other courses in Education and is open to students prior to their junior year. Tuesdays and Thursdays at 10. Professor Ayer. *Two hours, repeated each semester.*

2. **History of Modern Education.** This course includes the reading and discussion of the fundamental books in modern pedagogy such as Rousseau's Emile, Froebel's Education of Man, Spencer's Education, etc. Tuesday and Thursday at 9. Professor Sheldon. *Repeated each semester.*

3. **Pedagogical Psychology.** Application of the fundamental principles of adult psychology to educational problems. Monday, Tuesday and Thursday at 8. Assistant Professor Stetson. *Three hours, first semester.*

4. **Genetic Psychology.** Growth of the individual mind through childhood and adolescence to maturity, with reference to pedagogy. Monday, Tuesday and Thursday at 8. Assistant Professor Stetson. *Three hours, second semester.*

5. **Secondary Education.** History, organization, and administration of secondary education in America; training of sec-

ondary teachers. School management applied to secondary schools. In addition to the regular work of the course, the librarian of the University will present the topic of the high school library, the department of physical training will present the hygienic problems of the high school, and outside lecturers will discuss the athletic and social problems of the high school. Prerequisite for practice teaching in secondary subjects. Monday, Wednesday and Friday at 9. Professor Sheldon.

Three hours, repeated each semester.

7. **Observation of Teaching.** Observation work in high schools. Outlines of school management. Reports and class discussions. Required of all prospective teachers. Assistant Professor Stetson. *Two hours, repeated each semester.*

8. **School Administration.** Structure of State and city systems of education, school finance, the school house, the teaching staff, administration of normal schools, vocational education, physical education, correctional education, schools for defective and sub-normal children, evening and continuation schools, child labor laws and educational statistics. Monday, Wednesday and Friday at 11. Professor Ayer.

Three hours, first semester.

9. **Organization of Common School Curricula.** History of common school course of study in America, comparative study of city and State courses of study, grading and promotion, and allied topics. Monday, Wednesday and Friday at 11. Professor Ayer. *Three hours, second semester.*

12. **Practice Teaching.** In University practice school and in high schools. This work is under the direction of the department. Students should apply through the Registrar for this course during the preceding semester. Directions for the conduct of practice teaching and general announcements will be posted on the library bulletin board. Repeated each semester, student to register for one semester only. Prerequisites: Education 6 hours and senior standing. Assistant Professor Stetson and Mr. Broecker.

Four or five hours, repeated each semester.

For Graduates and Advanced Students.

Other courses involving historical and sociological consideration of education are offered to graduate students beginning with 1914. See the announcement of the School of Education.

14. **Library Methods and Periodical Literature of Education.** This course will include library procedure from both administrative and research aspects. It will introduce students of Education to the general character and content of various pedagogical journals on file in the library and of various periodical publications of educational bureaus, associations, institutions, and foundations. This course should be taken by all students interested in research work in Education or in the administration of high school libraries. It should also prove profitable to all students of journalism, psychology, social science, and other departments interested in methods of library research, periodical literature, or library administration. Tuesday and Thursday at 2. Professor Ayer and Mr. M. H. Douglass, librarian. *Two hours, second semester.*

15. **Experimental Education.** A survey of experimental and statistical investigations of school problems. This course is intended for advanced students who are qualified to carry on special studies. Each member of the class will select a particular subject for special investigation which is to be mastered and embodied in a report or monograph at the end of the semester's work. Alternate years with Education 8. Monday, Wednesday and Friday at 11. Professor Ayer.

Three hours, both semesters.

16. **Philosophy of Education.** Advanced aim and purpose of education, criticism of fundamental characteristics of present-day systems, consideration of the moral education movement, education from the standpoint of the individual, society and the species. Prerequisite: Education 1 and 2. Professor Ayer. *Two hours, both semesters.*

17. **Clinical Child Psychology.** A study of methods employed in the diagnosis of normal and exceptional children. Aspects of mental and physical development of the individual with particular reference to retarded and abnormal school children. Study of literature and clinical examination of cases. Prerequisite: Psychology 1 or Education 3 and 4. Assistant Professor Stetson. *Three hours, second semester.*

18. **History of Ancient and Mediaeval Education.** Lectures and analysis of source material. Not given in 1915-16. Professor Sheldon. *Three hours, first semester.*

19. **History of Education in England from the Sixteenth Century.** This course includes a survey of the main lines of English culture-development, but treats mainly of the growth of state education in the nineteenth century. Not given in 1915-16. Professor Sheldon.

20. **History of Education in Germany from the Sixteenth Century.** Similar in scope to preceding. Reading knowledge of German is highly desirable in this course. Professor Sheldon. *Three hours, first semester.*

21. **History of Education in America.** Lectures, reports and discussions. Knowledge of American history a prerequisite. Professor Sheldon. *Three hours, second semester.*

22. **Education Club and Seminar.** Reports of current educational meetings, book reviews, discussion of special topics investigated by members. Professor Sheldon. *Two hours, each semester.*

ENGLISH.

Professor Howe, Modern English Literature.
Professor Bates, Rhetoric and American Literature.
Professor Thacher. Miss Burgess.
Miss Perkins. Miss Watson. Mrs. Parsons.
Miss Bell. Miss Davis.

Five objects are contemplated in the following courses:

1. An ability to appreciate, enjoy, and criticise justly, the best in English literature.

2. A scientific knowledge of the origin and development of English literature in general, and of special periods in particular.

3. Proficiency in English Composition, including skill in organization of material.

4. The development of skill in the technical use of written English, as in business, and in the production of short stories, verse, and so on.

All students, regular and special, who take the work in these courses, must present fifteen hours of entrance English. The entrance English requirements will conform to the State high school course.

At the beginning of the year, all freshmen in the Colleges of Literature, Science or the Arts are enrolled in the sections of English 1. The first three sessions of these classes are devoted to written work, through the examination of which, supplemented by personal conferences, an opinion is reached as to the proficiency of each student in the matter of English composition. In accordance with the evidence thus secured, students are classified as follows:

A. A small percentage of students showing a very high degree of proficiency are released entirely from the requirements of English composition.

B. A second group (approximately those of an S grade) are excused from Course 1, but are required to elect 2 hours of English composition in each semester from Courses 3, 4 or 5, or other courses open to freshmen. However, any student from this group may be required to take certain of these courses as his individual needs may seem to demand.

C. The larger number of students will take Course 1. A small percentage from this group, whose work is especially good, may be permitted to take an elective course the second semester.

D. Students whose use of written English is manifestly of a poor quality will be required to take the work in Course 3 one semester. In the second semester they will be admitted to Course 1.

The same regulations will apply to freshmen entering at the beginning of the second semester.

All students entering advanced college classes must be accredited with English done elsewhere or comply with the entrance requirements here, through examination or work in class.

Students who wish to make Rhetoric or English Literature their major subject are required to take courses 1, 31, 32, 33 and 37, or satisfy their instructors of equivalent work done elsewhere. For their further study in any of these departments

to fulfill their major requirement, they will consult with their advisers.

Those who expect to teach English will be subject to the approval of the heads of the department of English, and will be required to take, in addition to the courses named above, Courses 3, 4, 7, 38 and 63. Other courses will be added by the professors under whom they may do their major work.

Students who elect their major in the department of Rhetoric will take as a basis for their work the courses mentioned above. Other courses will be chosen under the advice of the department.

Before taking the advanced courses of the department of Rhetoric, however, students choosing major work here are recommended to take at least one full-year course in each of the following general groups: I, History-Economics; II, Philosophy-Mathematics (including Psychology, Ethics, and Logic); III, Physical and Biological Sciences; and two full-year courses in IV, Language and Literature other than English. The purpose of this requirement is to give breadth to the students' course that their work may be more effectively concentrated in their last two years.

1. **English Composition.** A study of the elements of effective prose with analysis of illustrative extracts; constant training in writing and frequent consultations. A text-book will be used. Open to all freshmen. Professor Thacher, Miss Burgess, Miss Perkins, Mrs. Parsons, Miss Davis. Monday, Tuesday and Thursday at 8; Monday, Wednesday and Friday at 9; Tuesday, Thursday and Friday at 10; Monday, Wednesday and Friday at 11. *Three hours, both semesters.*

2. **English Composition.** A repetition of Course 1 in alternate semesters. *Three hours, both semesters.*

3. **English Composition.** More elementary than Courses 1 and 2. Designed to meet the needs of students in Group D. Monday, Tuesday and Thursday at 8. *First semester.*

4. **English Composition.** Especial attention given to exposition. A periodical will be used for illustrative material. Open to freshmen in Group B (see above). Miss Burgess. *Two hours, first semester.*

5. **English Composition.** Similar in character to 3, except that the emphasis is placed on argumentation. Open to freshmen in Group B. Miss Burgess.

Two hours, second semester.

6. **Commercial English.** Instruction and practice in business letter-writing of all kinds—circulars, prospectuses, etc. Open to freshmen in Group B. Professor Thacher.

Two hours, first semester.

7. **Advertising.** The writing and preparation of advertising copy, based upon a study of advertisements in current newspapers and magazines. Articulates with Course 5. Those desiring to enter this course should have taken Applied Psychology, Course 10. Professor Thacher.

Two hours, second semester.

8. **Theme Writing**—The "Atlantic Monthly" course. The magazine is taken by each member of the class and is used to provide illustrative matter as well as a source of thematic material. Not open to freshmen. Professor Thacher.

Two hours, both semesters.

9. **Daily Themes.** Daily short papers, and longer fortnightlies. In the second semester an extended paper of several chapters will be required. This course is open to a limited number of students who have shown unusual aptitude for writing. *Three hours, both semesters.*

10. **Essay Writing.** An advanced course in composition, especial attention being given to the essay. Tuesday and Thursday at 9. Miss Burgess. *Two hours, first semester.*

11. **Short Story Writing.** For those who, in previous courses, have evidenced an aptitude for writing the short story. Typical short stories—both classics and those from the current periodicals—are analyzed, and the actual production of short story work is undertaken. Professor Thacher.

Two hours, first semester.

12. **Short Story Writing.** Open only to those who have taken Course 11 with credit, or who may otherwise give evidence of talent as writers of fiction. In this course especial attention is given the standards and policies of contemporary magazines, and an attempt is made to produce marketable work. Professor Thacher. *Two hours, second semester.*

13. **Versification.** A careful study of prosodical forms and practice in the writing of verse. Professor Thacher.

One hour, second semester.

14. **Advanced Writing.** A course of seminar character. Open only to advanced students who desire to become professional writers. Professor Thacher.

One hour, both semesters.

English Language.

Students choosing major work in this department will usually be required to pursue the following courses in the order stated: Freshmen year, courses 1, 31, and 32; sophomore year, courses 33, 23, and 24; junior year, course 34; senior year, course 21. Additional work will be prescribed as the needs of the individual student may demand.

21. **Anglo-Saxon.** Grammar and translation of select passages in prose and poetry. The relationship between Anglo-Saxon and living cognate continental languages will be carefully studied and traced. A knowledge of German will be extremely helpful. *Three hours, both semesters.*

22. **Anglo-Saxon. Beowulf.** A textual and critical study of the great epic. Theories of composition and authorship. Historical and literary value. Christian and heathen elements.

Three hours, both semesters.

23. **History of the English Language.** A lecture course in the growth and development of the language, including discussions of the different language families, characteristics, and relationship. Consonant shifts. Teutonic group characteristics. Native and foreign linguistic elements.

Two hours, first semester.

24. **English Phonology.** Principles of Phonetics. Development of English vowel and consonant systems.

Two hours, second semester.

25. **Anglo-Saxon.** Reading from Cynewulf, signed poems and attributed poems. Alfred Saxon Chronicles, Aelfric, alliterative and prose homilies. *Two hours, both semesters.*

English Literature.

More courses are given in the department than any one student is permitted to take, and opportunity is offered to map out work in more than one field. All students wishing to make modern English Literature a major are therefore requested to consult the head of that department.

31. **Outlines of English Literature.** Anglo-Saxon literary development, characteristics of the heathen, transitional and Christian epochs. The influence of the Norman Conquest, the subsequent revival of literature and its later growth. The entrance of different literary elements and forms. The work will consist of lectures, recitations, and reports. Monday, Wednesday and Friday at 2. Professor Howe.

Three hours, one semester.

32. **Outlines of English Literature.** From Edmund Spenser to the present. A laboratory course, in which the student will read the literature, instead of reading about it. The aim is to lead the student, as far as possible, to gain his knowledge of each epoch from his own reading of selected works of representative authors. This work is supplemented by lectures and interpretative readings. Monday, Wednesday and Friday at 2. Professor Howe. *Three hours, one semester.*

Courses 31 and 32 are intended as a survey of the entire field of English Literature and will be given each semester.

33. **Chaucer.** A reading course in Chaucer's Tales and poems, with attention to his pronounciation, his language and the interests of his time. May be taken by any who have had prerequisite courses 31 and 32. Tuesday and Thursday at 9. Miss Perkins. *Two hours, first semester.*

34. **Scottish Poets.** A study of early Scottish poetry. Poems of Bruce, Barbour, Henryson, and The Tail of Rauf Coilyear will be read and discussed as representative of the later expression of Northumbrian poetry. Southern Chaucerian imitators. Not given in 1915-16. *Two hours, one semester.*

35. **History of English Epic and Lyric Poetry.** This course is intended to serve as an introduction to the field of epic and lyric poetry. With course 36 it aims to cover the three great lines of development in the English verse. Not given in 1915-16. *Two hours, first semester.*

36. **History of English Drama.** This course will be introduced by a survey of the greater epochs of the drama in literary history, after which it will proceed to the discussion of the beginnings and subsequent development of the drama in English. Not given in 1915-16. *Two hours, second semester.*

37. **Wordsworth.** A study of the best-known poems of the author, in such order as to illustrate the power, scope, and characteristic beauty of the author. Professor Howe. Tuesday and Thursday at 11. *Two hours, first semester.*

38. **William Morris.** A study of the life and writings, both prose and verse, sufficient to give the student a fair comprehension of the meaning and importance of Morris. Professor Howe. Tuesday and Thursday at 11.

Two hours, second semester.

(Courses 37 and 38 are given in natural sequence, but may be taken separately. They are open to freshmen, and required in sophomore year of such students taking a major in the department as did not take them in freshman year.)

39. **Shelley.** A study of the more important works in their order as written, and elucidated by some study of Shelley's life, illustrative of his system of thought and significance in the literature. For graduates and advanced undergraduates. Monday, Tuesday and Thursday at 8. Professor Howe.

Three hours, first semester.

40. **Browning.** A study of the Ring and the Book, followed by systematic examination of a number of the important short poems. The aim is first, to give the student facility in reading Browning understandingly, and secondly, to acquaint him with the range of the author's thought and sympathies. For graduates and advanced undergraduates. Monday, Tuesday and Thursday at 8. Miss Watson. *Three hours, second semester.*

41. **The Georgian Poets.** Wordsworth, Coleridge, Southey, Scott, Byron, Shelley, Keats, Hunt, Hood, Landor. For graduates and advanced undergraduates. Tuesday, Thursday and Friday at 10. Professor Howe. *Three hours, first semester.*

42. **The Victorian Poets.** Browning, Barrett-Browning, Tennyson, Rossetti, William Morris, Swinbourne, Matthew Arnold,

DeVere. For graduates and advanced undergraduates. Tuesday, Thursday and Friday at 10. Professor Howe.

Three hours, second semester.

43. **Edmund Spenser.** A study of the Shepherd's Calendar and the later books of the Faerie Queen. Not given in 1915-16. Professor Howe. *Two hours, first semester.*

44. **Milton.** Paradise Lost entire, Paradise Regained, and Samson Agonistes. For graduates and advanced undergraduates. Tuesday and Thursday at 9. Miss Watson.

Two hours, first semester.

45. **Shakespeare.** The comedies and historical plays. Two sections: Monday, Wednesday and Friday at 9 and 2. Miss Watson. *Three hours, first semester.*

46. **Shakespeare.** The tragedies. Two sections: Monday, Wednesday and Friday at 9 and 2. Miss Watson.

Three hours, second semester.

(Courses 45 and 46 will hereafter constitute a prerequisite to course 57, in the critical study of Shakespeare.)

47. **The Contemporaries of Shakespeare.** The important Elizabethan and Jacobean dramatists. For graduates and advanced undergraduates. Tuesday and Thursday at 9. Miss Watson. *Two hours, second semester.*

48. **English Prose Writers** (not novelists), of the nineteenth century. Ruskin will be read in class, with Matthew Arnold, Newman, etc., as collateral reading. For graduates and advanced undergraduates. Monday, Wednesday and Friday at 1. Professor Howe or Miss Watson.

Three hours, first semester.

49. **English Prose Writers** (not novelists), of the nineteenth century. Carlyle will furnish the class text, but De Quincey, Macaulay and Landor will also be studied. For graduates and advanced undergraduates. Monday, Wednesday and Friday at 1. Professor Howe or Miss Watson.

Three hours, second semester.

50. **English Prose Writers of the Eighteenth Century.** Gibbon, Burke, Samuel Johnson, Boswell, Hume, Smollett, Goldsmith, Fielding. Professor Howe. Not given in 1915-1916.

Two hours, both semesters.

51. **Social Problems in the English Novel.** The attempt to use the novel in the cause of various reforms. Dickens, Charles Reade, Charles Kingsley, Macdonald, and other nineteenth century writers will be considered, also existing tendencies in the work of John Galsworthy, Mary E. Mann, Arnold Bennett, Mrs. Humphrey Ward, etc. For graduates and advanced undergraduates. Monday, Wednesday and Friday at 11. Miss Watson. *Three hours, both semesters.*

52. **Living English Writers.** The Poets. Kipling, Meredith, Watson, Yeats, Stephen Phillips, Davidson, and others. For graduates and advanced undergraduates. Wednesday and Friday at 8. Professor Howe. *Two hours, first semester.*

53. **Living English Writers.** Prose. The essay, drama, and novel will be examined. For graduates and advanced undergraduates. Tuesday and Thursday at 8. Professor Howe. *Two hours, second semester.*

54. **The Relation of English to Contemporary European Literature, during the last twenty-five years.** The drama. For graduates and advanced undergraduates. Professor Howe. Not given in 1915-16. *Two hours, first semester.*

55. **The Relation of English to Contemporary European Literature, during the last twenty-five years.** The novel. For graduates and advanced undergraduates. Professor Howe. Not given in 1915-16. *Two hours, second semester.*

(Courses 52-53, and 54-55 are given in alternate years. During 1915-16 the courses given will be 52-53.)

56. **Seminar in English Literature.** The course is preparatory to the writing of the thesis, and is required of all seniors and graduates taking a major in English Literature and intending to teach. Professor Howe. *Two hours, both semesters.*

57. **A Critical Study of Shakespeare and of His Critics.** A limited number of plays will be examined in the light of the critics. Courses 45 and 46 are prerequisite to this course. For graduates and advanced undergraduates. Miss Watson. *Three hours, both semesters.*

58. **Survey of English Critics.** A course intended to familiarize teachers with the epoch-making critical work in the literature. Open only to graduate students. Professor Howe. *Three hours, both semesters.*

59. **American Literature.** A study of American literary history up to about the year 1830. The Colonial, Revolutionary, and early Republican periods will be covered, and among the writers read and discussed, Franklin, Freneau, Brockden-Brown, Irving, Cooper, and Bryant. Open to freshmen. Tuesday and Thursday at 9. Miss Perkins. *Two hours, first semester.*

60. **American Literature.** From 1830 to the present time, Emerson, Whitman, Poe, Hawthorne, Lamier, and the New England poets, together with an historical and critical study of the different poetical and prose forms as they have appeared in American Literature. Tuesday and Thursday at 9. Miss Perkins. *Two hours, second semester.*

61. **The American Short Story.** A study of the development of the short story, as exemplified in Irving, Poe, Hawthorne, Bret Harte, Mark Twain, Howells, James, Joel Chandler Harris, Mary Wilkins Freeman and others. Open only to graduates and advanced undergraduates. Tuesday and Thursday at 11. Miss Perkins. *Two hours, second semester.*

62. **Essays in Literary Criticism.** A study of selected essays from modern English and American literary critics, including Wordsworth, Coleridge, Hazlitt, Lamb, Arnold, Pater, Lowell, Woodberry, and Paul Elmer More. Miss Burgess. Not offered in 1915-16. *Two hours.*

63. **The Teaching of English.** Lectures and papers. Required of all seniors who expect to teach English. Open only to graduates and advanced undergraduates. Professors Howe and Bates. *Two hours, both semesters.*

64. **Readings from English Literature.** A course in which the finest parts of the literature are read aloud by the instructor. The class meets three hours per week for one hour's credit, no outside preparation being required of the students. Professor Howe. Not given in 1915-16.

One hour, both semesters.

65. (a) **The English Novel.** Its evolution and scope, from the Morte D'Arthur to the present, including a study (a) of the Elizabethan novelists Greene, Lodge, Nash, etc.; (b) of the Augustan novelists, Richardson, Fielding, etc.; (c) of the Georgian novelists, Scott, Jane Austen, The Tale of Terror, etc.; and (d) of the Victorian novelists, Dickens, Thackeray,

etc. A lecture course, with collateral reading and papers by the class. For graduates and advanced undergraduates. Tuesday, Thursday and Friday at 10. Professor Howe.

Three hours, both semesters.

65. (b) **The English Novel in the Nineteenth Century.** Typical works of Jane Austen, Scott, Dickens, Thackeray, Meredith, and Thomas Hardy are read in class, and an equal amount of outside reading assigned for report and examination. The course is accompanied by expository lectures. Not given in 1915-16. *Three hours, both semesters.*

66. **Emerson.** The influence of Plato, Goethe, Coleridge, Carlyle and others upon Emerson; parallels with Marcus Aurelius, Epictetus; the effect of Emerson on modern thought. Reading from Essays, Representative Men and English Traits. Tuesday and Thursday at 1. Miss Burgess.

Two hours, first semester.

67. **Representative Essays in Modern Thought.** The social theories of John Stuart Mill; the nineteenth century scientific writers: Darwin, Huxley, Spencer; also Arnold, Frederic Harrison, William James and others. Tuesday and Thursday at 1. Miss Burgess. Not given in 1915-16. *One hour, second semester.*

68. **The West in American Literature.** Beginning with Cooper's Pioneer, Irving's Astoria, and Parkman's Oregon Trail, a tracing of the westward movement as recorded in literature. Eggleston, Riley, Mark Twain, Bret Harte, Joaquin Miller. Monday at 10. Miss Burgess. Not given in 1915-16.

One hour, second semester.

69. **Principles of Appreciation.** This course will be devoted to a consideration of the best examples of literature and art, and will include practice in critical writing. Tuesday and Thursday at 2. Mrs. Parsons. *Two hours, both semesters.*

70. **English Poetry.** The four volumes of poems selected and edited by Bronson will be used as a basis for a survey of the development, forms, and achievements of English poetry. Professor Howe. *Two hours, both semesters.*

71. **Criticism.** This course will correlate with work in journalism and will be required for juniors majoring in journalism.

It will afford practice in the writing of musical, dramatic, art and literary criticism. Tuesday and Thursday at 1. Mrs. Parsons.

Two hours, both semesters.

72. **Contemporary American Poetry.** Students in this course will examine recent poetry with a view to collecting, editing and presenting the work of their especially assigned authors. Tuesdays and Thursdays at 11. Mrs. Parsons. *Two hours.*

73. **American Poets.** A survey based upon C. H. Page's "The Chief American Poets," but including some selections not found in that book; the aim being to form some definite notion as to the scope of each man's work, the characteristic features of his style, and the central ideas embodied in his poetry. Open to freshmen by permission of the instructor. Miss Davis. Not given in 1915-16. *Two hours, first semester.*

74. **American Novels.** The reading and discussion of certain latterday American novels of note for their presentation and suggested solution of typical American problems; the aim being not only to gain some definite notion as to the essentials of a really good novel, but also to formulate the essentially American point of view. In 1914-1915 Mr. Robert Herrick's "The Common Lot," Miss Mary Johnston's "Hagar," Mrs. Deland's "The Iron Woman," Mr. Winston Churchill's "The Inside of the Cup" and several others formed the basis of the regular class work, supplemented by lectures, recommended readings, and oral reports. Open to freshmen by permission. Miss Davis. Not given in 1915-16.

Two hours, second semester.

FINE ARTS.

Mrs. Pennell.

Four courses are offered: 1; Ancient and Mediaeval Art; 2, Modern Art; 3, The Home; 4, Wood Engraving, Line Engraving, Etching and Lithography. 1 and 2 continue through the school year; 3 runs through the first semester, dealing with the site, plan, construction and furnishing of the home; 4 runs through the second semester, dealing with the appreciation of prints, giving the process of making, together with the life and work of the masters in black and white.

The University has a constantly increasing number of works on architecture, sculpture, painting, and engraving, together with portfolios of prints and photographs. The architectural department has casts and slides. All courses are open to both men and women.

1. **Ancient and Mediaeval Art.** Monday, Wednesday and Friday at 9. *Three hours, both semesters.*

2. **Modern Art.** Monday, Wednesday and Friday at 11. *Three hours, both semesters.*

3. **The Home.** Tuesday, Thursday and Friday at 10. *Three hours, first semester.*

4. **Wood Engraving, Line Engraving, Etching and Lithography.** Tuesday, Thursday and Friday at 10. *Three hours, second semester.*

5. **Art Appreciation.** *Two hours, one semester.*

GEOLOGY.

PROFESSOR SMITH. ASSISTANT PROFESSOR MITCHELL.

Introduction: Courses in General Economic and Field Geology, Paleontology and Petrology are offered as well as a two-year pre-mining course, fitting students to continue their work in the various mining schools of the country, and special training in the subject of Physical Geography, which is the basis for the course in General Science now given in the secondary schools. Emphasis is placed on laboratory and field work.

The science of geology is so broad in its scope that all other sciences are made to contribute to it and nearly every activity of man is found to be directly or indirectly affected by it. The courses offered at the University of Oregon may be divided into three general groups: (1) Those designed to equip a student for the profession of geologist in either pure or applied geology; (2) those courses which are to be regarded as accessory to courses in other professions, as those of architecture, such as the study of the materials of construction or of commerce wherein geographical relations are paramount; and (3) the strictly "culture courses" which are designed to satisfy the needs and tastes of the layman, wherein the intent is rather to lead the student up onto the heights and not to

put him to work "digging a well in some dry and barren spot." A popular study of gems and gem minerals, glimpses into the blurred vistas of the past of plants and animals and the human race, the geographic interpretation of history, the "sermons in stones," and the study of the "medals of creation," will constitute some of the excursions outside the conventional routine of the science.

For the study of the ancient faunas and floras of the State of Oregon, the department is particularly fortunate in having the Condon Collection, which constitutes the life work of the pioneer geologist of the State, Dr. Thomas Condon. During the past year many other important additions in the way of material and apparatus have been made to the department.

For the sake of economy and to avoid duplication of work, this department offers no courses in mining; but a two-year course in pre-mining work in which the student may be prepared for his more specialized work in the last two years, is being instituted.

For those who wish to know just what pecuniary benefits are to be gained from the study of geology, attention is invited to the U. of O. Bulletin on Vocations.

For those who intend to specialize in geology, the following four-year course is suggested. This outline is the result not only of the teaching experience but of the practical professional experience of those who have the geological work in charge. While a student retains the right to elect such work as he or she desires, he would best rely on the experience of those who have had to put their training to actual test.

The methods used in this department involve a few lectures, considerable recitation work, and always actual contact with geological materials and phenomena in the laboratory and the field. There is no "royal road to learning," much less is there a short cut to proficiency in a subject of such practical importance as geology.

SUGGESTED COURSE OF STUDY FOR STUDENTS SPECIALIZING IN GEOLOGY.

Freshman 16	Mathematics (1) or (2) comprising Trigonometry and Analytic Geometry 3-5 hours	French or German 3-5 hours	English Composition 3 hours	Personal Hygiene 1 hour	Chemistry 4 hours
Sophomore 15	Biology, including 1 semester of Zoology and 1 semester of Botany—3 hours	French, German or Spanish 3 hours	English Literature 2 hours	Mineralogy or Physics 3 hours	Geology or Physiography 3-4 hours
Junior 13	Field Work, Geology and Field Astronomy 2 hours	Meteorology or Spanish 2-3 hours	History or Economics 3 hours	Paleontology (elementary) 2 hours Petrology	Quantitative Analysis and Assaying 3 hours
Senior 14	Thesis 4 hours	Psychology or Philosophy or Sociology 2-3 hours	Technical Writing 1 hour	Paleontology (advanced) 2-3 hours	Economic Geology 3 hours
M. A.	Thesis in Geology	Seminar in Geology, Advanced Geology or Paleontology		Minor in some other subject—Economics, History, etc.	

If possible the entering student should have had good training in LATIN, Physical Geography, Plane and Solid Geometry, Algebra, American and *General History,* Civics and *wide reading* of the world's *best* works of *Biography, Travel* and Fiction.

1. **Geology.** This course gives a general introductory knowledge of Geology and is designed either for those in other courses who desire an outline of the subject, or to serve as a basis for more advanced work by those who would specialize in Geology. Lectures, collateral reading and field excursions. Monday, Wednesday and Friday at 9, both semesters. One laboratory period for major students—hours to be arranged. Professor Smith. *Three or four hours, both semesters.*

2. **Physiography.** A study of the present land forms and the processes and forces which have resulted in these forms. The effect of physiographic features on human development. The laboratory work includes interpretation of topographic maps, practice in contour sketching and construction of relief maps. Field excursions: This course is especially designed to prepare teachers of general science in high schools and to give students of history a background for their work. Open to freshmen entering the second semester. Monday, Tuesday and Thursday at 8, and one laboratory period. Assistant Professor Mitchell. *Four hours, second semester.*

3. **Economic Geology.** The geology of the valuable non-metals and metals including their occurrence, associations and genesis. In the non-metals particular attention will be paid to materials of construction. Under metals will be considered the methods employed in prospecting and in the developing of ore bodies. Reasons for and methods of conservation of the various mineral resources will be given special emphasis. Prerequisites: Geology 1 and Chemistry 1. Monday and Friday at 10. The course in non-metals will be given in the spring semester of 1915. The course in metals to follow in the fall of that year. 1 laboratory period to be arranged. Professor Smith and Assistant Professor Mitchell.

Three hours, both semesters.

4. **General Mineralogy.** A general study of Crystallography and Physical and Chemical Mineralogy in the first semester, followed by Determinative Mineralogy in the second semester.

The objects of this course are:

(a) Rapid determination of the more common minerals.

(b) Practice in the determinations of the less common specimens.

(c) A knowledge of the economic minerals. Prerequisites: General Chemistry. Hours to be arranged. First semester two lectures and one laboratory period. Second semester one recitation and two laboratory periods. Assistant Professor Mitchell. *Three hours, both semesters.*

5. **Precious Stones.** A study of the kinds, properties and occurrences of the precious stones with methods for their identification. A history of the world's famous jewels. Discussion of the present sources of supply, methods of mining, valuation, etc. This is designed to be a popular course and, though a knowledge of physics, chemistry and mineralogy would be very desirable, training in these subjects is not a prerequisite. Tuesday at 1. Assistant Professor Mitchell. *One hour, second semester.*

6. **Petrology.** (a) An introduction to the study of rocks by means of hand specimens following Pirsson's "Rocks and Rock Minerals." Prerequisite: General Mineralogy. One laboratory period and one lecture. Wednesday and Friday at 8. Assistant Professor Mitchell. *Two hours, first semester.*

(b) Optical Mineralogy: The study of rock minerals by means of thin sections and the petrographical microscope. Special emphasis is laid on the determination of opaque and other economic minerals. Prerequisite: Mineralogy, Geology, Chemistry and Physics. One laboratory period. Professor Smith. *Two hours, second semester.*

(c) Optical Petrology: The continuation of (b). This course takes up the study of rocks of all kinds and their identification by means of thin sections. Laboratory work in the making of thin sections. Professor Smith. *Two hours, both semesters.*

7. **Field Geology.** A general course in geologic mapping and survey methods. The first part will be devoted to a study of survey organization, various past and present state and private surveys, special problems connected with survey methods and a study of the theory of various field operations. The second half will be devoted to the topographic and geologic mapping of an assigned area. Prerequisites: Geology 1, 3, 4 and 6. Some knowledge of Astronomy preferable. Two laboratory periods, Saturday 8 to 12. A written report will be required in this course. Professor Smith and Assistant Professor Mitchell. *Two hours, second semester.*

8. **Paleontology.** A preliminary course using Shimer's Introduction to the Study of Fossils. Special attention will be given to the Pacific Coast mesozoic and cenozoic material. Prerequisites: Geology 1 and Biology. Hours to be arranged. Professor Smith. *Two hours, both semesters.*

9. **Advanced Paleontology.** Special work assigned to suit the needs and advancement of the students applying, using Zittel-Eastman's Text-book of Paleontology. Professor Smith. *Hours to be arranged, either semester.*

9a. **Vertebrate Paleontology.** Special work in Vertebrate Paleontology will be given in 1915-16 to those applying, provided they have had the required preparation in Zoology. Professor Bovard. *Two hours, one semester.*

10. **Advanced Geology.** A more thorough investigation of the principles of Geology with reference to structure, ore deposits, etc., together with a study of the folios of the geological atlas of the United States and other literature. Monday and Friday at 10. Professor Smith.

N. B.—This course will alternate with one devoted especially to Oregon Geology.

11. **Advanced Geography.** A study of Geography in its broadest aspects, its aid in the interpretation of history, the geographic factors controlling commercial relations of the various nations with an intensive study of the more important countries, particularly of the United States and its dependencies. Special attention will be given to the study of the Pacific Ocean and the countries bordering thereon. Gregory's "Commercial and Physical Geography" will be used as a text and the current numbers of the standard geographical journals will be consulted. Hours to be arranged. Professor Smith. *Two hours, both semesters.*

12. **Geology of Structural Materials.** A short course, designed especially for students in Architecture, in the geology and mineralogy of structural materials. Open to freshmen. Assistant Professor Mitchell. *Two hours, one semester.*

13. **Technical Writing.** This course, which will be given in cooperation with the English department, will be conducted as a part of the regular work for juniors and seniors majoring

in Geology and other students who may care to elect this course. Professor Smith. *One hour, either semester.*

14. **Field Astronomy.** This course will be given as the introductory part of the course in Field Geology for advanced students in Geology. The time will be devoted largely to such operations as the determination of latitude, longitude and azimuth, and also some instruction in the measurement of base lines, primary control by means of triangulation and practice in the use of the plane table. Professor McAlister. *Two hours, one semester.*

15. **Seminar.** Open to advanced major students of this and related departments for the consideration of research material and a review of current technical literature. Professor Smith. *One hour a week.*

16. **Graduate Courses by Arrangement.**

Equipment.

In the department of Geology the University of Oregon has a fine collection of illustrative material contained in the famous Condon "cabinet," which is well known to the older residents of the State. This cabinet is especially rich in fossil remains and represents the fruits of over forty years of continuous exploration in the Oregon country by its pioneer geologist. The remains of many extinct animals such as the mammoth, the mastodon and the three-toed horse, as well as the implements of prehistoric man, make this collection strictly characteristic of Oregon's own geological record.

The University is also well supplied with characteristic mineral and rock specimens, part of which were collected by Professor Condon and part acquired from other sources. For example, the plaster cast of the Willamette Meteorite was presented by Mr. A. S. Pattullo, of Portland, Oregon, and the Educational Series of Rocks was prepared by the United States Geological Survey. The museum is open to receive other specimens as gifts or loans, the University believing that such material is made of great service to the world at large if placed with some institution.

GERMANIC LANGUAGES AND LITERATURE.

PROFESSOR SCHMIDT. PROFESSOR THORSTENBERG.
MR. O'DONNELL. MISS KRAUSE. MISS BASLER

The aim of the instruction in the department is primarily to enable students to use modern German with facility in reading, writing, and, as far as practicable, in speaking, and to acquaint them with the masterpieces in German literature. A number of courses are conducted entirely in German and students are encouraged to use German as the language of the classroom as much as possible.

Opportunity is also given for graduate courses in Germanic languages. These are intended especially for students who desire to make the teaching of these languages their profession, or who expect to take an advanced degree in them. Careful attention is given to the linguistic as well as to the literary training of the student, aiming at a comprehensive insight into the historical growth of the Germanic languages and literature.

The German Club (Verein Germania) is intended for students who are interested in conversation and lectures on German life and customs. From time to time programs are arranged to give students an insight into the musical and dramatic life of Germany. Students must have had several years of German before they are eligible to membership. Meetings take place twice a month.

Any of the following courses, German 1 to 12, are open to freshmen who have had the prerequisite courses:

I.

GERMAN LANGUAGE AND LITERATURE.

1. **Elementary German.** The elementary course comprises: Vos's Essentials of German (Henry Holt), new edition; and Huss's German Reader (D. C. Heath); German Composition, Translation of Easy Prose and Poetry. Special attention is paid to systematic training in pronounciation. The reading of about one hundred and seventy-five pages of graduated texts from a reader is required. Huss's German Reader is used. In addition to this three or four of the following selections

will be read: Storm's Immensee, Heyse's L'Arrabbiata, Volkmann's Kleine Geschichten, Maerchen and Erzaehlungen, Seidel's Maerchen, Zschokke's Der Zerbrochene Krug, etc. Daily at 8, 9 and 11. Professor Schmidt, Professor Thorstenberg and Mr. O'Donnell. *Five hours, both semesters.*

2. **Advanced German.** During the second year the work comprises advanced German Grammar and Composition, Syntax. German conversation (based upon Vos's Material, Manley's Ein Sommer in Deutschland; Bacon's Im Vaterland or some other method) throughout the year. Material to be read is selected from the following list: Heyse's Das Maedchen von Treppi; Baumbach's Die Nonna; Wildenbruch's Das edle Blut; Hillern's Hoeher als die Kirche; Seidel's Leberecht Huehnchen; Frenssen's Peter Moor; Leander's Traeumereien; Freitag's Die Journalisten; Lessing's Minna von Barnhelm; Schiller's Wilhelm Tell, Goethe's Hermann and Dorothea. The class is expected to read two or three stories and two or three plays during the year. Three divisions, Monday, Tuesday, Thursday and Friday at 8, 9 and 10. Professor Schmidt, Professor Thorstenberg and Mr. O'Donnell. *Four hours, both semesters.*

3. **Classical Drama.** (a) Goethe's Egmont, Torquato Tasso, Iphigenie auf Tauris; (b) Schiller's Maria Stuart, Jungfrau von Orleans, Wallenstein; (c) Lessing's Minna von Barnhelm, Emilia Galotti, Nathan der Weise; (d) Grillparzer's Sappho; (e) Kleist's Prinz Friedrich von Homburg. Writing of essays in German. Practice in writing German is afforded by means of dictation or similar exercises. Robert's Outlines of the History of German Literature (Putnam) will be used in connection with this course. Brief lectures in German based upon the above texts, are given once or twice a week in this course. Monday, Wednesday and Friday at 11. Professor Schmidt.

Three hours, both semesters.

4. **German Fiction and Contemporary Literature.** During the year some of the following works will be read: Ebner-Eschenbach's Die Freiherren von Gemperlein, Keller's Dietegen, or Kleider Machen Leute; Riehl's Novellen, for example, Burg Neideck, Der Fluch der Schoenheit; Der Stumme Ratsherr, Das Spielmannskind; Scheffel's Ekkehard; Wildenbruch's Der Letzte; Dahn's Sigwalt und Sigridh, Meyer's

Gustav Adolph's Page; Sudermann's Der Katzensteg or Frau Sorge; and Auerbach's Brigitta, Frenssen's Joern Uhl, etc.

Three hours, both semesters.

This course alternates with course 18.

5. **Modern German Drama.** The following dramas will be read: Wildenbruch's Harold, Hauptmann's Die Versunkene Glocke; Sudermann's Johannes, or Heimat; Fulda's Der Talisman or Das verlorene Paradies; Hebbel's Agnes Bernauer or Herodes und Mariamne; Gutzkow's Zopf und Schwert, Uriel Acosta, etc. Professor Thorstenberg.

Three hours, both semesters.

6. **(a) German Poetry.** Goethe's Poems; Schiller's Ballads; Uhland's Poems; White's Heine's Poems; Klenze's Deutsche Gedichte; Hatfield German Lyrics and Ballads, or Kluge's Auswahl Deutscher Gedichte will be used as text-book.

Two hours, one semester.

(b) Poems and Epics. Scheffel's Trompeter von Saeckkingen, Thomas Anthology, etc. *Two hours, one semester.*

7. **(a) Goethe's Faust.** Part I, with commentary. Monday at 3 and Tuesday at 2. *Two hours, first semester.*

(b) Goethe's Faust. Part II, with commentary.

Two hours, second semester.

8. **Heine's Prose.** Die Harzreise; Die Romantische Schule and other selections will be read. Professor Thorstenberg.

Two hours, second semester.

9. **Historical German.** This course consists of the rapid translation of modern historical and economic German. It is especially designed for those students who wish to acquire a sufficient knowledge of the language to enable them to read German books on history, philosophy, etc. The matter to be read is selected from such works as Riehl's Kulturgeschichtliche Novellen; von Sybel's Kleine Historiche Schriften; Freytag's Bilder aus der deutschen Vergangenheit; Seiler, die Heimat der Indogermannen, Schiller's Geschichte des dreissigjaehrigen Krieges, etc. Hours to be arranged.

Two hours, one semester.

10. **Scientific German.** This course is recommended to students who are taking or who plan to take special courses in Natural Science or in Medicine. Goro's, Dippold's or Brandt

and Day's German Science Reader will be used as an introduction, and is followed by monographs on various subjects in order to give the student as large a vocabulary as possible. Among the books to be read are: Lassar-Cohn's Die Chemie im taeglichen Leben; Brewer's Naturlehre; Mueller's die Electrischen Maschinen; Helmholtz's Ueber Goethe's Naturwissenschaftliche Arbeiten. No student is allowed to take this course who has not had at least two year's of thorough preparation in literary German. Professor Thorstenberg.

Two hours, one semester.

11. **Commercial German.** The purpose of this course is to make the student acquainted with the elements of commercial German and to widen his commercial vocabulary by means of reading texts dealing with German business customs and institutions. The course is recommended to students who wish to devote some time to the study of German commercial correspondence, business forms, documents, newspaper articles and advertisements. Only those students who have had at least two years of German will be admitted to this course. The text to be used will be Kutner's Commercial German. Tuesday and Thursday at 11. Mr. O'Donnell. *Two hours, both semesters.*

12. **Teaching of Modern Languages, Especially German.** Discussion of methods and bibliographical questions, examination of texts. Open to seniors and special students who have not less than 20 hours' credit in German or French. Required of students who wish to be recommended as teachers of German or French in the high schools of the State. Professor Schmidt. *Two hours, second semester.*

13. **Advanced German Composition.** Poll's or Jagemann's Materials for Prose Composition. Mr. O'Donnell.

Two hours, both semesters.

14. **German Conversation.** Open to all students who have had courses 1 and 2, and required of students who wish to teach German. Tuesday and Thursday at 1. Mr. O'Donnell.

Two hours, both semesters.

15. **General History of German Literature.** Max Koch's Deutsche Litteraturgeschichte is used as a text-book. A limited number of lectures are given. *One hour, both semesters.*

16. **German Culture and Civilization.** A course of illustrated lectures. The topics discussed deal with the customs, culture, history, geography, etc., of Germany. *Two hours, one semester.*

17. **Germanic Mythology.** Texts: F. Kaufmann, Eugen Mogk, and Grimm. *One hour, one semester.*

18. **The Nineteenth Century Novel.** Freytag's Soll und Haben or Rittmeister von Alt-Rosen; Meyer's Juerg Jenatsch; Sudermann's Der Katzensteg; Frenssen's Joern Uhl; Storm's Der Schimmelreiter; Riehl's Kulturgeschichtliche Novellen; Paul Heyse's Das Glueck von Rothenburg; Scheffel's Ekkehard; Ludwig's Zwischen Himmel und Erde; Dahn's Ein Kampf um Rom. In addition to this, suitable selections from Ganghofer, Rosegger, Auerbach, Ebner-Eschenbach, Spielhagen, and others will be assigned for outside reading. Professor Schmidt. *Three hours, both semesters.*

For Graduates and Advanced Undergraduates

In so far as the demand will justify the formation of classes the department will offer the following courses:

20. **Middle High German.** Michels, Mittelhochdeutsche Grammatik, 1910; Henrici, Proben der Dichtungen des Mittelalters, Berlin, 1898; Selections from Nibelungenlied; Walter von der Vogelweide; Parzival; Lexer, Mittelhochdeutsches Taschen-Woerterbuch. Hours to be arranged. *Two hours, both semesters.*

21. **Old High German.** Braune's Althochdeutsche Grammatik, and the same author's althochdeutsches Lesebuch (4th edition); Muellenhoff and Scherer's Denkmaeler Deutscher Poesie und Prosa (3d edition); Behaghel's Historical Grammar of the German Language.

22. **Gothic and the Elements of Comparative German Grammar.** Braune, Gotische Grammatik, 4. Auflage, Halle, 1895; Heyne's Ulfilas, 9. Auflage, von F. Wrede, Paderborn, 1896; Streitberg's Urgermanische Grammatik. This course is required for advanced degrees in English Philology.

23. **History of German Literature to the Nineteenth Century.** With special study of the classic periods of the twelfth and eighteenth centuries. Scherer's Geschichte der deutschen

Literatur, Franke's History of German Literature are used as text-books. Papers on assigned topics will be required.

24. **Physiological Phonetics.** The sounds of English, German, and French. Grandgent, German, and English sounds (Boston, Ginn & Co., 1892); Ripmann's adaptation of Vietor's Kleine Phonetik (London, J. M. Dent & Co., 1899); Kleines Lesebuch in Lautschrift von Vietor; Sweet, A Primer of Phonetics (Oxford, Clarendon Press, 1890); lectures. Each student will make a special study of his English vowels.

Two hours, both semesters.

II.

SCANDINAVIAN LANGUAGES AND LITERATURE.

PROFESSOR THORSTENBERG.

The courses in this department are designed to lay the basis for a practical reading knowledge of the Scandinavian languages; to familiarize the student with some of the principal works of representative modern Scandinavian writers; and to afford some insight into the life and culture of the Scandinavian peoples.

1. **Elementary Norwegian (Dano-Norwegian).** Principles of the grammar and the reading of easy prose. The texts used comprise: Olson's Norwegian Grammar and Reader or Holvik's Beginners' Book in Norse; Bjoernson's Synnoeve Solbakken; Lie's Fortaellinger; Kielland's Novelletter. Monday, Wednesday and Friday at 2. *Three hours, both semesters.*

2. **Elementary Swedish.** Principles of the grammar and the reading of easy prose. The texts used comprise: Elmquist's Swedish Grammar or Vickner's Swedish Grammar; Lagerloef's En Herrgardssaegen; Geijerstam's Mina Pojkar; Nyblom's Det Ringer. Monday, Wednesday and Friday at 2.

Three hours, both semesters.

3. **Scandinavian Literature** (conducted in English). Works of Bjoernson, Ibsen, Lie, Kielland, Tegner, Rydberg, Lagerloef, Strindberg, etc., in standard translations, will be read and discussed. The course includes supplementary lectures on the history of the literature in general. Tuesday and Thursday at 9.

Two hours, both semesters.

In so far as the demand will justify the formation of classes, the following courses will be offered:

4 and 5. **Advanced Norwegian or Swedish.** Study of works, in the original, of representative Scandinavian authors, supplemented by advanced prose composition and conversation.

Hours to be arranged.

GREEK LANGUAGE AND LITERATURE.

PROFESSOR STRAUB.

Students who have had two or three years of Greek may enter the second semester of the third or fourth year respectively. Students may also enter 14 and 16 at the beginning of the second semester.

1. **Elementary Greek.** Gleason's Greek Primer. Daily at 9.

Five hours, first semester.

2. **Xenophon's Anabasis.** (Harper and Wallace) Book I; Goodwin's Greek Grammar. Daily at 9.

Five hours, second semester.

The aim of the first year is quality, not quantity. For this reason, the drill in Greek inflections and the common constructions is made as thorough as possible. In addition, every effort is made to increase the student's vocabulary. The "Word List" in Harper and Wallace's Anabasis is an excellent help in this direction.

3. **Anabasis,** continued. Book I, III, and IV. Greek Grammar reviewed. Critical study of Greek prepositions. Daily translations from English to Greek. Text-books, in addition to those used in course 2: Pearson's Greek Prose Composition, and Adam's Greek Prepositions. 10 a. m.—Monday, Tuesday, Thursday and Friday. *Five hours, first semester.*

4. **Homer's Iliad.** (Seymour) Books I to IV. Homeric language and verse (Seymour). Jebb's Homer. Study of "The Homeric Palace (Isham). Daily exercises in Greek prose continued. Special attention will be given to Homeric forms. The custom of the Homeric Greeks will be carefully studied. 10 a. m.—Monday, Tuesday, Thursday and Friday.

Four hours, second semester.

5. **Hellenistic Greek.** One or two of the Gospels will be studied and the general principles of Hellenistic Greek noted. 1 p. m.—Tuesday, Wednesday, Thursday and Friday.

6. **Hellenistic Greek,** continued. Selected portions of the New Testament. Selections from Septuagint will also be offered. 11 a. m.—Tuesday, Wednesday, Thursday and Friday, 1 p. m.

Four hours, second semester.

(Courses 5 and 6 are intended chiefly for students who expect to prepare for the ministry, and are elective to other Greek students. Prerequisites: Courses 1 to 4, inclusive. Text-books: Wescott and Hort's Greek New Testament recommended. Conybeare and Stock's selections from the Septuagint [Ginn & Co.])

7. **Xenophon's Memorabilia.** Demosthenes' Phillippics. (Students will be required to read up the appropriate portions of the history of Greece, in order to study the above in their proper setting.) *Four hours, first semester.*

8. **Lysias' Orations.** (Morgan's or Adam's) Selections from Herodotus. Advanced Greek prose composition. Study of Sanford's Three Thousand Classic Greek Word list.

Four hours, second semester.

9. **Selections from the Plays of Euripides.** Study of the Attic Theater (Haigh). *Three hours, first semester.*

10. **Plato's Apology and Crito.** Croiset's Greek Literature.

Three hours, second semester.

11. **Selections from the Comedies of Aristophanes.** Study of the influence of comedy on Greek thought and temperament.

Three hours, first semester.

12. **Demosthenes' De Corona.** (Goodwin) Also suitable extracts from Aeschines' "Against Ctesephon." Study of Bredif's Life of Demosthenes. *Three hours, second semester.*

Greek-English Course.

No Greek required. Open to all students.

The following four courses are offered to students who have not taken Greek. They will give a fairly good insight into the religion, habits, and life of that wonderful people,

whose institutions and civilization still make themselves felt at the present time, and whose influence still strongly prevails in modern thought.

13. **Greek Mythology.** Text-book: (Gurber) Collateral reading: Bullfinche's Age of Fable. Informal talks. 2 p. m.—Mondays. *One hour, first semester.*

14. **History of Greek Art.** (Tarbell) Greek Sculpture (Gardner). 2 p. m.—Mondays. *One hour, second semester.*

15. **History of Greek Literature.** From Homer to Theocritus (Edward Capps). Homeric Society (Keller). *One or two hours, first semester.*

16. **The Life of the Ancient Greeks.** (Gulick) The Ancient City (Coulages). The Attic Theater (Haigh). *One or two hours, second semester.*

FOR GRADUATES AND ADVANCED UNDERGRADUATES.

17. **Pindar's Odes and Fragments.** Thucidides, Books IV to VI. *Two hours, first semester.*

18. **Selections from Aristotle.** *Two hours, first semester.*

19. **Homer's Iliad.** Books VI to XXIV, read with a view to the study of the civilization and customs of the Homeric Tribes. *One hour, both semesters.*

20. **Greek Epigraphy.** Text-book: Roberts'. *One hour, first semester.*

21. **Greek Inscriptions.** Text-book: Hick's Manual of Greek Historical Inscriptions. *One hour, second semester.*

HISTORY.

PROFESSOR SCHAFER. MR. O'HARA. PROFESSOR CLARK.

FUNCTIONS OF THE DEPARTMENT.

The department of History, in its relations to the University, has two main functions: To train historians, and to provide the necessary historical basis in the training of those whose major interest lies in other departments like literature, law, politics, commerce, economics, art, and education. A third but subordinate function is to furnish what are usually called "cultural courses" for a considerable number of stu-

dents majoring in scientific departments who nevertheless desire to secure the benefit of some contact in a broad way with the humanities.

Requirements for Teachers of History.

Students asking for a recommendation from the department as teachers of history in high schools must have taken courses listed from 1 to 8 inclusive or satisfy the requirements of these courses by special reading and examination. These courses cover the subject matter of the history taught in high schools and give familiarity with the materials and methods needed for teaching.

Courses Recommended for Students in Journalism.

For students majoring in journalism the courses in Recent European, Recent American, and Latin American History are recommended. The prerequisite requirements for entrance into these courses must, however, be observed.

Courses Recommended for Lawyers.

The courses in English History, English Constitutional History, and the two courses in American History, early and later periods, are especially recommended for students preparing to study law.

Recommendation for Students in Commerce.

The courses in Latin American History and Institutions and in Recent European History, and all the courses in American History, seem specially suited to meet the needs of students in commerce.

Schedule of Courses.

1. **Greece and Rome.** A survey of the development of the political and social life of the Greek people; a similar survey of Roman history to the death of Constantine. Monday, Wednesday and Friday at 1. Open to freshmen. Mr. O'Hara.

Three hours, first semester.

2. **The Middle Ages.** Exhaustion of the Imperial power in the West, the spread of Christianity, review of feudal society in its agricultural, political and military aspects, rise of the

cities, commercial and industrial organizations, the universities. Monday, Wednesday and Friday at 1. Open to freshmen. Mr. O'Hara. *Three hours, second semester.*

3. **Renaissance and Reformation.** The period covered by this course extends from the beginning of the fourteenth to the middle of seventeenth centuries and it is the history of continental Europe within these years. The intellectual Renaissance, the Protestant Revolution and Catholic Reformation will receive special emphasis. Monday, Tuesday and Thursday at 8. Professor Clark. *Three hours, first semester.*

4. **Europe, 1648-1815.** A survey of European history from the Peace of Westphalia to the downfall of Napoleon. Monday, Tuesday and Thursday at 8. Mr. O'Hara.

Three hours, second semester.

5. **European History of the Past Century.** The historical background of the eighteenth century will be given as a prelude to a study of the social, economic, and political progress of the states of Europe, their international relations and colonial expansion during the last hundred years. This course is designed for students of proper qualifications, especially those majoring in history, economics, political science and journalism, or who may be preparing for the study of law. Monday, Wednesday and Friday at 9. Repeated second semester at 8. Professor Clark. *Three hours, first semester.*

6. **History of England.** A general survey of English History with emphasis on social conditions. Designed to be of special value as a preparation for the study of English literature. Monday, Tuesday and Thursday at 8. Open to freshmen. Mr. O'Hara. *Three hours, first semester.*

7. **Early American History.** The American Revolution in its political, economic, and sociological phases; the confederation and the constitution; our national history from 1789 to 1816. Monday, Wednesday and Friday at 11. Professor Schafer.

Three hours, first semester.

8. **Later American History.** The story of American development during the past one hundred years; general theme, the evolution of a democratic world power. Monday, Wednesday and Friday at 11. Professor Schafer.

Three hours, second semester.

9. **English Constitutional History.** The purpose of the course is to exhibit the growth of the main features of the present English constitution. Recommended for students preparing for law. Tuesday and Thursday at 11. Mr. O'Hara. Not given in 1915-16.

10. **Central Europe in Recent Times.** A study of the German Empire, the Austro-Hungarian Monarchy, and the Balkan States. Special attention is given to social and economic problems. Tuesday, Thursday and Friday at 10. Mr. O'Hara.

Three hours, first semester.

11. **Recent History.** This course will give the immediate historical background for the European War and some account of its immediate causes and progress. Monday, Wednesday and Friday at 9. Professor Clark. *Three hours, second semester.*

12. **Latin American History.** An account of the political and economic development of the twenty Latin-American Republics during the last hundred years preceded by historical background furnished by the Spanish and Portuguese conquest and occupation. Present-day economic and social conditions will also receive attention. Monday, Wednesday and Friday at 1. Professor Clark. *Three hours, first semester.*

13. **French Revolution.** A study of the conditions accountable for the Revolution, followed by its social, political, economic, and religious phases. Professor Clark. Not given in 1915-16. *Two hours, first semester.*

14. **Napoleon I.** A study of the man and of his period. Professor Clark. Not given in 1915-16.

Two hours, second semester.

15. **The Great Historians.** The aim of this course is twofold. On the one hand, it is intended to familiarize the student with the world's greatest writers of history, and to develop in him an appreciation of their works and a critical insight into the methods employed in producing them. On the other hand, it is a study of some of the most significant phases of world history through the great historians of ancient and modern times. For sophomores majoring in history and others who may elect it. Tuesday, Thursday and Friday at 10. Professor Schafer. *Three hours, first semester.*

16. **American Foreign Relations.** A history of the relations of the United States with other states during the past hundred years and of the development of American foreign policy. Monday, Wednesday and Friday at 1. Professor Clark.

Three hours, second semester.

17. **Seminar in Western History.** A detailed study largely from the sources of the building of civilization in the western portions of the United States, particularly the region west of the Rocky Mountains. For history seniors as an equivalent of the thesis requirement, and other advanced students. Tuesday and Thursday at 11. Professor Schafer.

Two hours, both semesters.

18. **Recent American History.** The aim in this course is to familiarize students with the great political, social, and economic problems and movements of the past forty years, since the close of the reconstruction era. Also to develop a true insight into American ideals of life. For history majors of at least sophomore standing and others of equivalent preparation. Tuesday, Thursday and Friday at 10. Professor Schafer.

Three hours, second semester.

19. **The British Empire Since 1688.** A survey of modern British institutions, and the struggle for colonial and commercial supremacy. Tuesday, Thursday and Friday at 10. Mr. O'Hara. *Three hours, second semester.*

20. **History Seminar.** Lectures on the historical background of the European war. Tuesday at 2. Professors Schafer and Clark, and Mr. O'Hara. *One hour, first semester.*

21. **History Club.** A discussion of selected topics of historical interest by the members of the history staff, students majoring in the department, and by students and instructors from other departments who may be especially interested in historical problems. Tuesday at 2. *One hour, second semester.*

JOURNALISM.

PROFESSOR ALLEN. PROFESSOR DYMENT.

STANDARD JOURNALISM COURSE.

(Subject to modification for those who desire a specialized preparation.)

FRESHMAN YEAR.

First Semester.		*Second Semester.*	
Newswriting	3 hours	Newswriting	3 hours
English	3 hours	English	3 hours
Science	3 hours	Science	3 hours
Language	3 hours	Language	3 hours
Mathematics	3 hours	Statistical Methods	2 hours
		Elective	1 hour

SOPHOMORE YEAR.

Newspaper Management	2 hours	Newspaper Management	2 hours
Printing Laboratory	1 hour	Printing Laboratory	1 hour
Proof Reading	1 hour	Proof Reading	1 hour
Continuation of First Year's Science or Language	3 hours	Continuation of First Year's Science or Language	3 hours
Political Science, Economics or Sociology	3 hours	Political Science, Economics or Sociology	3 hours
Psychology	3 hours	Psychology	3 hours
Elective	2 hours	Elective	2 hours

JUNIOR YEAR.

Advanced Newswriting	3 hours	Advanced Newswriting	3 hours
Copy Reading	1 hour	Copy Reading	1 hour
Psychology of Advertising	2 hours	Advertising Practice	2 hours
Current Events	1 hour	Cost Accounting	2 hours
Cost Accounting	2 hours	Criticism	2 hours
Criticism	2 hours	Elective	5 hours
Elective	4 hours		

SENIOR YEAR.

History of Journalism and Editorial	3 hours	History of Journalism and Editorial	3 hours
Laws of the Press	1 hour	Special Assignments and Conferences	1 hour
Special Assignments and Conferences	1 hour	Laboratory Cost Accounting	1 hour
Laboratory Cost Accounting	1 hour	Short Story Writing	2 hours
Short Story Writing	2 hours	Elective	8 hours
Elective	7 hours		

1. **Newswriting.** Elements of the work of the newspaper reporter. Monday, Wednesday and Friday at 1. Mr. Allen.

Three hours, both semesters.

2. **Advanced Newswriting.** Prerequisite, course 1 or its equivalent. Newswriting including "special stories," "Sunday features," and work involving difficulties in handling. Monday, Tuesday and Thursday at 8. Mr. Dyment.

Three hours, both semesters.

3. **Newspaper Technique and Typography.** The mechanical side of publishing. Tuesday and Thursday at 9. Mr. Allen.

Two hours, both semesters.

3a. **Typographical Laboratory.** To be taken in conjunction with course 3. Monday at 10, and other hours to be arranged. Mr. Allen. *One hour, both semesters.*

4. **Editorial Theory and History of Journalism.** Includes editorial writing. Tuesday, Thursday and Friday at 10. Mr. Allen. *Three hours, both semesters.*

5. **Law of the Press.** Law of Libel, Blackmail, Literary Property including Copyright, Privileged Communications, Federal Regulations, and other phases of law bearing on the Press. Given alternate years. Monday at 10. Dr. Hope.

One hour, first semester.

6 and 7. **Copy Reading.** Laboratory open to students who are taking three hours of other courses in Journalism (excluding course 1). Tuesday and Thursday at 11. Mr. Allen.

Two hours, both semesters.

8. **Current News.** Open to students who are taking three hours of other courses in Journalism. Thursday at 1. Mr. Dyment. *One hour, first semester.*

9. **Proof-reading.** Laboratory open to students who are taking three hours of other courses in Journalism. Monday at 10. Mr. Allen. *One hour, both semesters.*

10. **Assignments and Conferences.** Private conferences and individual newsgathering assignments every week. Required of all seniors. Hours by appointment. Mr. Allen.

One hour, both semesters.

11. **Advertising Practice.** Prerequisite, course 2. Second semester. Tuesday and Thursday at 8. Mr. Dyment. Lecturers from Portland Ad Club. *Two hours, second semester.*

12. **Laboratory Cost Accounting.** Prerequisite: Cost Accounting in Commerce. Mr. Allen. *Hours to be arranged.*

The following courses, offered by other schools or departments, are especially adapted to the needs of students in Journalism, and may be counted toward the major in Journalism. For detailed descriptions of the courses, see special departmental announcements:

English 11. **Short Story Writing** Professor Thacher.
Two hours, first semester.

English 71. **Theory and Practice of Criticism.** Mrs. Parsons.
Two hours, both semesters.

Mathematics 5. **Statistical Methods.** Professor W. M. Smith.
Two hours, second semester.

Psychology 18. **Applied Psychology.** Professor Conklin.
Two hours, first semester.

Commerce 2. **Cost Accounting.** Professor Sowers.

LATIN LANGUAGE AND LITERATURE.

PROFESSOR DUNN. MR. ———.

COURSES PRIMARILY FOR UNDERGRADUATES.

Pursuant to the recent revisions made in the requirements for admission, with the opening of the session of 1914-15, classes will be formed in each of the first four years of Latin, to accommodate students who may enter without any language units. These courses, two in succession each year and numbered by semesters, are based upon the recommendation of the Commission of Fifteen. They are, therefore, preliminary to courses 11-18, which are concerned with titles more generally recognized as distinctly College Latin.

1. **Kirtland and Rogers' Introduction to Latin.** Daily.
Five hours, first semester.

2. **Ritchie's Fabulae Faciles.** Daily.
Five hours, second semester.

3. **Caesar's Gallic War, Books I-IV, or Selections.** Selections from Eutropius. Dodge & Tuttle's Latin Prose Composition. Monday, Tuesday, Thursday and Friday at 9.
Four hours, first semester.

4. **Caesar's Civil War, Selections.** Selected Lives of Nepos. Prose composition continued. Monday, Tuesday, Thursday and Friday at 9. *Four hours, second semester.*

5. **Selected Orations of Cicero.** Sallust's Catilina. Nutting's Supplementary Latin Composition. Monday, Tuesday, Thursday and Friday at 10. *Four hours, first semester.*

6. **Selected Letters of Cicero.** Selections from Aulus Gellius. Prose composition continued. Monday, Tuesday, Thursday and Friday at 10. *Four hours, second semester.*

7. **Virgil's Aeneid, Books I-VI, or Selections.** Ovid's Metamorphoses, selections. Monday, Tuesday, Wednesday and Thursday at 1. *Four hours, first semester.*

8. **Virgil's Aeneid,** continued. Fables of Phaedrus. Monday, Tuesday, Wednesday and Thursday at 1. *Four hours, second semester.*

9. **The Private Life of the Romans.** Lectures with the aid of the stereopticon; readings and reports. Monday, Wednesday and Friday at 9. *Three hours, first semester.*

10. **Roman Literature.** Lectures, with the aid of the stereopticon; readings and reports. Monday, Wednesday and Friday at 9. *Three hours, second semester.*

11. **Cicero's De Amicitia.** Virgil's Eclogues; the Captivi of Plautus; selections from Catullus. Monday, Tuesday and Thursday at 8. *Three hours, first semester.*

12. **Selections from Horace's Odes and Epodes.** Sallust's Jugurtha; selections from Tibullus and Propertius. Monday, Tuesday and Thursday at 8. *Three hours, second semester.*

13. **Selections from Horace's Satires and Epistles.** Livy, Book V; Ovid's Tristia, Books I and III. Monday, Wednesday and Friday at 1. *Three hours, first semester.*

14. **Terence's Andria;** Tacitus Agricola; selections from Pliny's Letters; selections from Martial's Epigrams. Monday, Wednesday and Friday at 1. *Three hours, second semester.*

15. **Roman Law and Public Life.** Tuesday, Thursday and Friday at 10. *Three hours, first semester.*

This course will be based upon the text of selected orations of Cicero as a point of departure for the discussion of Roman political life and the investigation of certain periods of Roman history at first hand.

16. **The Roman Historians.** Tuesday, Thursday and Friday at 10. *Three hours, second semester.*

Selected epochs in Livy and Tacitus will be read for purposes of comparison and will serve as a nucleus around which to group a discussion of the methods of Roman historians and a running review of the historians themselves from the annalists to the Scriptores Historiae Augustae.

17. **Roman Literary Criticism.** Monday, Wednesday and Friday at 11. *Three hours, first semester.*

This course provides a rapid comparison of four of the great classic treatises on literary criticism—Cicero's Brutus, Horace's De Arte Poetica, Quintilian's Book X of the Institutiones, and Tacitus' Dialogus.

18. **Roman Philosophy.** Monday, Wednesday and Friday at 11. *Three hours, second semester.*

Lectures covering the chief systems of doctrine prevailing among the Romans of the Classic Period will alternate with readings from Cicero's De Officiis and the best portions of Lucretius.

Courses Primarily for Graduates.

The courses following herewith are designed for advanced students, but are open to undergraduates who, after due conference with the instructor, can give evidence of their fitness to satisfy the requirements of the courses. These courses are given usually in alternate years.

19. **History of Latin Literature.** Part I (poetry). Lectures and reading. *Three hours, both semesters.*

20. **History of Latin Literature.** Part II (prose). Lectures and reading. *Three hours, both semesters.*

21. **Ovid.** The Fasti, Roman Religion, and Religious Archaeology of Rome. *Two hours, first semester.*

22. **Ovid.** The Metamorphoses and Classic Mythology. *Two hours, second semetser.*

23. **The Corpus Caesarianum.** The Gallic War. Lectures and reading. *Two hours, first semester.*

24. **The Corpus Caesarianum.** The Civil War and Libri Incertorum Auctorum. Lectures and reading. *Two hours, second semester.*

25. **Topography of Rome.** Lectures, assisted by maps, pictures and other available material, will illustrate in chronological order the monumental growth of Rome from prehistoric times to the fall of the Western Empire. Theses on suggested topics will be required at stated intervals.

Two hours, both semesters.

26. **The Reign of Trajan.** Trajan's reign will be studied from every possible standpoint—from Pliny's Letters, from inscriptions, and from monumental remains.

Three hours, second semester.

27. **Latin Prose Composition.** This course provides advanced composition drill, particularly for those who have had four years of Latin. Sustained narrative and occasional unseen passages form the basis of translation.

Two hours, second semester.

28. **Our Inheritance from the Graeco-Roman Civilization.** Stereopticon lectures with required readings and reports. Monday, Wednesday and Friday at 3.

Three hours, first semester.

MATHEMATICS.

PROFESSOR DECOU.

PROFESSOR W. M. SMITH. ASSISTANT PROFESSOR WINGER.

The instruction in Mathematics is designed to secure three objects: First, high mental discipline for the general student through the study of an exact science; second, a thorough understanding of those subjects which form the foundation of most of the natural and applied sciences, such as physics, astronomy, and the engineering courses; third, the thorough preparation of teachers of high school mathematics.

Courses 1 (b), 1 (c) and 3 are designed for students in literary courses who desire to secure a good foundation for their work in the sciences, and for those who expect to teach mathematics in conjunction with other high-school subjects.

The courses fundamental to engineers are as follows: Freshman year, course 2; sophomore year, course 4. These courses are recommended also to students who intend to make Mathematics their major.

A number of fundamental elective courses are offered to the advanced student; they are so arranged as to give breadth and symmetry to his knowledge of Mathematics and prepare him, if he so desires, to pursue graduate study profitably.

Graduate courses will be arranged to suit the needs of those applying for them.

Freshmen, entering the second semester, may take courses 1, 2, 3, 5 and 6, if sufficiently prepared.

General Courses.

1. (a) **Solid Geometry.** Monday, Wednesday and Friday at 1. Professor Winger. *Three hours, first semester.*

1. (b) **Advanced Algebra.** An elementary course. Open to freshmen. Tuesday, Thursday and Friday at 10. Repeated each semester. Professors Winger and Smith. *Three hours.*

1. (c) **Plane Trigonometry.** An elementary course. Open to freshmen. Tuesday, Thursday and Friday at 10. Repeated each semester. Professors Winger and Smith. *Three hours.*

1. (d) **The Mathematical Theory of Investment.** An elementary treatment of the principles involved in interest, annuities, valuation of bonds, sinking funds, building and loan associations, life insurance, etc. Open to freshmen and others who have taken course 1 (b) in Advanced Algebra. Monday, Wednesday and Friday at 11. Professor DeCou. *Three hours, second semester.*

2. **Advanced Algebra, Trigonometry and Analytical Geometry.** An introductory course. Open to freshmen. Daily at 8. Professor Winger. *Five hours, both semesters.*

3. **Analytical Geometry and Calculus.** An introductory course for literary and general scientific students. Prerequisite, course 1. Open to freshmen who have had the equivalent of courses 1 (a), 1 (b) and 1 (c). Tuesday, Thursday and Friday at 10. Professor DeCou. *Three hours, both semesters.*

4. **Differential and Integral Calculus.** This course includes the development of the fundamental principles and formulas of Differential and Integral Calculus; their applications to expansion of functions, indeterminate forms, the determination of the various properties of plane curves, maxima and minima,

areas and length of curves, areas and volumes of surfaces, hyperbolic functions, etc. Prerequisite, course 2. Daily at 9. Professor DeCou. *Five hours, both semesters.*

5. **Elements of Statistical Methods; Theory and Use of the Slide Rule.** This course is designed for students majoring in Education, Commerce, Economics, Journalism, Architecture, the Natural Sciences, and Mathematics, who have occasion to compile and interpret statistics. The Theory and Use of the Slide Rule is included for its practical assistance in work requiring computation. Prerequisite: Mathematics 1 (b). Tuesday and Thursday at 11. Professor Smith.

Two hours, second semetser.

6. **Advanced Algebra and Spherical Trigonometry.** A continuation of the Advanced Algebra of courses 1 and 2, together with an introduction to Spherical Trigonometry. Hours to be arranged. *Two hours, one semester.*

7. **History of Mathematics.** A brief survey of the most important developments of the subject. Monday at 10. Professor DeCou. *One hour, second semester.*

8. **Teaching of Mathematics.** Dealing largely with the teaching of mathematics in secondary schools and treated from the historical standpoint. Monday at 10. Professor DeCou. *One hour, first semester.*

Advanced and Graduate Courses.

9. **Differential Equations.** A practical course in the theory of ordinary and partial differential equations and their solutions. Prerequisites, courses 2 and 4. Tuesday and Thursday at 11. Professor DeCou. *Two hours, both semesters.*

10. **Higher Algebra.** A more advanced and rigorous treatment of the topics of the preceding courses, together with the addition of many new topics. Monday, Wednesday and Friday at 11. Professor DeCou. *Three hours, one semester.*

11. **Determinants and Theory of Equations.** An elementary but very important course, giving the essential principles required in various advanced studies. Text: Burnside and Panton. Monday, Wednesday and Friday at 11. Professor DeCou. *Three hours, one semester.*

12. **Solid Analytical Geometry.** An advanced course dealing with surfaces of the second degree and their properties, together with some discussion of surfaces in general. Textbook: Rudio's Solid Geometry. Hours to be arranged.

Three hours, one semester.

13. **Advanced Integral Calculus.** Including definite integrals, Fourier series, elements of elliptic integrals and functions. Prerequisite, course 4. Hours to be arranged.

Three hours, both semesters.

14. **Theory of Functions of a Complex Variable.** Hours to be arranged. *Three hours, one semester.*

15. **Analytical Trigonometry.** Hours to be arranged. Professor DeCou. *Three hours, one semester.*

16. **Projective Geometry.** Hours to be arranged. Professor Winger. *Three hours, both semesters.*

18. **Differential Geometry.** Introductory course based on Eisenhart's Differential Geometry. Prerequisite, course 4. Professor Smith. *Two hours, both semesters.*

Graduate Courses.

On application courses will be provided for graduates and others of sufficient mathematical maturity and training in the following subjects: Modern Analytical Geometry, Elliptic Functions, Substitution Groups, and the Theory of Numbers.

Equipment.

The department is provided with a well-selected library of the best American and foreign works, in addition to a large collection of elementary texts for pedagogical purposes. It has a complete file of the American mathematical journals and receives regularly the current numbers of these journals and some foreign ones.

A collection of the famous Brill models, made in Germany, is an important adjunct to the work in geometry. Included in this collection are plaster models of ellipsoids, hyperboloids of one and two sheets, elliptic and hyperbolic paraboloids, on which are shown the geodetic lines, lines of curvature, circular, and principal sections, etc.; also wire and thread models, illustrating ruled surfaces and generating lines of conicoids.

A spherical blackboard, three feet in diameter, blackboard apparatus for use in geometrical constructions, and numerous models and drawings constructed by the students add materially to the equipment. A complete set of mensuration blocks and models is used in the study of geometry teaching.

MECHANICS AND ASTRONOMY.

PROFESSOR MCALISTER.

MECHANICS.

1. **Analytical Mechanics.** A study of the laws of motion and equilibrium. The phenomena of motion are matters of everyday experience and observation, both on the earth and in the heavens; and the laws under which motions occur or may be prevented are the subject matter of Mechanics. This course is intended to meet the needs of two classes of students: Those wishing to pursue the subject on account of its intrinsic interest and value, and those wishing to make practical application of it either in engineering or as a preparation for the study of advanced Physics. The elements of Analytical Geometry and Calculus are prerequisite. The first semester may be taken without the second. Tuesday, Thursday and Friday at 10. *Three hours, both semesters.*

2. **Applied Mechanics.** A course for students of Architecture, including Analytical and Graphic Statics, and Strength of Materials. Monday, Tuesday and Thursday at 8.

Three hours, both semesters.

3. **Theory of Elasticity.** A study of the minute relative motions of the particles of natural solids when loads or external forces are applied, together with the internal stresses which resist relative motion. The subject has important applications in the strength, resistance and deformation of the ordinary materials of construction, and also in opening up a broad field in molecular physics. Prerequisites: Elements of Solid Analytical Geometry and Differential Equations, and the first semester of course 1, or its equivalent.

Three hours, second semester.

4. **Hydrodynamics.** The theory of the motions of fluids, with special reference to liquids, but including also some

applications to the motions of the air and other gases. An acquaintance with the elements of Analytical Mechanics is presupposed. *Three hours, first semester.*

Astronomy.

1. **General Astronomy.** This course includes a brief historical sketch of the science, the fundamental principles, with such problems as yield to elementary methods, and an exposition of the more important facts known in reference to the solar system, the stars, star clusters, nebulae, the galaxy and Magellanic clouds, the zodiacal light and the "Gegenschein"; the action of tides as cosmogonic agencies, and a comprehensive account of the "Nebular Hypothesis" and other more recent theories of world-building. Two lectures, or recitations from the text, and one evening per week. Many of the lectures will be illustrated with lantern slides. In fine weather, the evening will be spent in learning the principal constellations and the brighter stars, and locating such planets as happen to be visible; in observing some celestial objects with the telescope, and in making a few simple observations with the transit instrument. In bad weather, the evening will be spent in solving various problems and in other exercises pertaining to the subject. Not open to freshmen. Tuesday and Thursday at 11, Tuesday evening 7-10. *Three hours, both semesters.*

2. **Practical Astronomy.** The determination of time, latitude, longitude, and azimuth by astronomical methods. A working knowledge of Trigonometry is necessary. One lecture or recitation and one evening of observation per week. *Two hours, either semester.*

3. **Theory of Orbits.** Mechanics of orbital motion, including perturbations. Prerequisite: Mechanics, course 1; and Astronomy, course 2. *Three hours, first semester.*

PHILOSOPHY.

Professor Rebec.

1. **Introduction to Philosophy.** The aim of this course will be less the opening up of the traditional, technical fields of philosophy, than the forming of a habit of philosophizing. Accordingly, the method of procedure will be mainly by

Socratic question and free discussion. Students are, in general, advised to begin their work in philosophy with this course and should not take it before the second semester of their sophomore year. Monday and Wednesday at 3.

Two hours, second semester.

2. **History of Philosophy, Ancient and Medieaval.** An attempt to trace the central stream of philosophic thought from its beginnings in ancient Greece down to its emergence as Modern Philosophy. Lectures and text-book. Monday and Wednesday at 2. *Two hours, first semester.*

3. **History of Philosophy, Modern.** A continuation of course 2. Monday and Wednesday at 2. *Two hours, second semetser.*

4. **Ethics.** A brief survey of historic types of ethical theory and practical morality, followed by discussion of actual ethical problems. Monday and Wednesday at 3.

Two hours, first semester.

5. **Special Aesthetics.** The evolution of the European aesthetic consciousness, especially as recorded in the supreme masterpieces of literature, from Homer to the Nineteenth Century. Each member of the class is required to produce a paper, based on a special study, from the point of view of the purposes of the course, of some relevant piece of great literature, preferably in a field with which he is already familiar, and in consultation with the professors of the department in which the piece of literature falls. Lectures, papers, discussions. Properly a senior course. Tuesday, 2 to 4.

Two hours, first semester.

6. **Present-Day Thought.** With special reference to the philosophies of James, Eucken and Bergson. Readings and discussions. To be conducted on the "seminar" method. A senior course. Tuesday, 2 to 4. *Two hours, second semester.*

PHYSICAL EDUCATION—WOMEN.

DR. STUART.

MISS THOMSON. MISS GOLDSMITH MISS RADER.

Physical Education is treated as a part of college work. Three hours a week in the gymnasium classes are required of all girls during the freshman and sophomore years.

The Women's Athletic Association of the University of Oregon is an organization open to all women of the University. Its purpose is to arouse interest in outdoor sports and games that a more physically efficient woman may be developed.

Because of the many requests for assistance in work of this nature from high school teachers throughout the State, it is planned to invite every high school in Oregon to form a girls' athletic association which shall be a branch of the University organization. This shall be called the "Oregon Trail Girls." A mass meeting will be held at Eugene every spring in which each school shall be given an opportunity to demonstrate the work of the year.

The women's gymnasium is a brick building containing on the first floor the gymnasium proper with a floor space of 40x85 feet; the office of the director; a small laboratory with all apparatus necessary for making blood, sputum, and bacteriological examinations; and a room equipped with apparatus for corrective gymnastic work—work adapted to the individual needs of girls physically unable to undertake the general class work. The basement contains two rooms, the larger of which is fitted up with 260 steel lockers, 35 dressing rooms, and 35 shower baths. The smaller is used for an examining room and anthropometry. Before beginning gymnasium work each girl receives a thorough physical examination by the director, a physician, and work is assigned accordingly. Especial attention is given to the correction of incorrect posture and any abnormal condition which can be benefited by intelligent exercise.

Owing to the necessity of having uniform gymnasium suits, they should not be purchased before entering college. If necessary to do this, communication should first be made with the director in regard to material and style required. A short, light-weight skirt and "middy" blouse should be provided for outdoor work.

Practical Courses.

1. **General Gymnastics.** The exercises for the first year are based upon the Swedish system of gymnastics, and have for their object an "all around" development.

In the fall and spring months out-of-door sports, tennis, golf, canoeing, baseball, and archery are taught.

2. **General Gymnastics.** Continuation of course 1. Supplemented by drills with light apparatus, wands, dumb bells, clubs, fancy steps, dances, and military marching. Required of all sophomores.

3. **Special Corrective Exercises.** Individual exercises given to those students who for physical reasons are unable to take the regular class work; or who have defects which can be corrected or improved.

4. **General Gymnastics.** A continuation of courses 1 and 2; consisting of more advanced work along the same lines. Open to all who have completed courses 1 and 2.

5. **Gymnastic Dancing.** Beginning work in gymnastic dancing; Gilbert dances; aesthetic dances; folk dances and couple dances. It develops grace and ease of movement and carriage and considerable amount of endurance.

6. **Advanced Gymnastic Dancing.** Advanced class in gymnastic dancing. Open to all who have completed course 5.

7. **Personal Hygiene.** This course is required of all first-year women. It is a study of the means of preserving and improving the health; it takes up dietetics, clothing, breathing, ventilation, prevention of ordinary disease, tuberculosis and typhoid fever, the anatomy, physiology and hygiene of the pelvic organs. *One hour, two semesters.*

THEORETICAL COURSES.

Students majoring in department of Education may take their major work in the department of Physical Training. Such students must take courses prescribed below and in addition five hours per week for four years of practical gymnastic work.

Students majoring in other departments may take their minor work in Physical Training. They must complete a minimum of 16 semester hours of theoretical work in the department of Physical Training, and must take five hours per week for four years of the practical gymnasium work. (Courses 1, 2, 3, 4, 5, 6.)

15. **Clinic and Corrective Gymnastics.** Students will assist in treating patients. Five hours per week, three hours' credit. *Three hours, two semesters.*

Credit will be given for these courses only on completion of a year's work.

17. **Methodology of Gymnastics.** Practice work in the University gymnasium and in the high school of the city. Prerequisites: Courses 3, 4, 7 in Education, and courses 8, 9, 14, 16 in Physical Training. Given both semesters.

Five hours, one semester.

Locker Fee.

A locker fee of $2 a year, payable at time of registration, is charged all girls taking the required gymnasium work. Girls who have completed the required gymnasium work may have the use of the baths on the payment of $1.00 per year.

Girls wishing to use the swimming tank must purchase a bath ticket, $1 a year.

PHYSICAL EDUCATION—MEN.

Mr. Hayward. Mr. Bezdek.

Mr. Shockley.

Three hours a week in the gymnasium classes are required of all students during the freshman and sophomore years.

The new gymnasium is fitted with all modern gymnastic apparatus. The main hall is 59x106 feet, with a 26-foot ceiling. On the same floor is the office of the director, a room for anthropometry, and a tube hand-ball court 20x20x50 feet; there is also a gallery for spectators with a seating capacity of 450. Eight feet above the gallery is a 16-lap cork running track nine feet wide. The basement is fitted up with steel lockers, shower baths, and a swimming pool 30x60 feet, with a gradual slope from three and one-half to nine feet in depth.

The department is conducted upon scientific principles. Its aim is both hygienic and educative. It attempts to aid functions and develop form, as well as to correct undeveloped and deformed parts, and supply recreation. It also aims especially to assist the student toward perfect nervous control, and by exercise of precision and skill to train nerve centers and muscles to act quickly and accurately in response to the will; and to produce mental and moral self-control.

Courses for Teachers.

There is a widespread demand all over Oregon for men who are capable of taking charge of high school athletics in addition to teaching their regular subjects. Men who are prepared to take these positions command salaries ranging from $10 to $20 per month more than those usually paid. In order to prepare instructors who are capable of teaching athletics, the Department of Physical Education has arranged to give courses in theory of gymnastics, the completion of which will put a man who is ordinarily familiar with athletics in a position to teach them scientifically. The following courses are offered:

1. **Personal Hygiene.** *One hour, two semesters.*
2. **Theory and Coaching of High School Sports.** *Two hours, both semesters.*

Every effort is made to encourage outdoor sports, and the director devotes a considerable time, when the season is suitable, to directing outdoor exercises, such as golf, tennis, and athletics of all kinds.

The students maintain an athletic association which promotes outdoor athletics. They are also permitted by the faculty to participate in intercollegiate sports. In these games the University is represented by a football eleven, a baseball nine, a track athletic team, a tennis club, and a basketball team. Secondary class and interfraternity teams are formed to give the University teams practice, and in order to touch as many students as possible.

Physical examinations are made and the director will be ready to examine students at any convenient time. Students may take the physical examination and have their exercises prescribed or may enter one of the regular classes.

PHYSICS.

Professor Boynton. Dr. Caswell.
Mr. Wells.

Course 1-2 is the most elementary course offered by the department. It is open to all students, whether they have had a previous course in Physics in the high school or not, but

the assignment of experiments in the laboratory is varied according to the previous preparation of the student. This course can be taken either for college credit or to remove a matriculation deficiency in Science.

Courses 3 and 4 constitute a year's work in College Physics, presupposing a year of high school Physics. They are particularly intended for students specializing in Physics, Mathematics or Chemistry, and for pre-medical students, but are adapted to others who wish a general descriptive course.

Prospective teachers of high school Physics wishing the recommendation of the department should take at least 15 semester hours of work in the department, including courses 3, 4, 15 and 16.

Courses in the Advanced group are for graduate and advanced undergraduate students, suitable for major work for an advanced degree. Those of the Intermediate group are primarily for advanced undergraduates, but are acceptable as minor work, or to a limited extent only as major work, for an advanced degree.

All the courses of the Introductory group and some of those of the Intermediate group are given every year; the balance of the Intermediate courses and those of the Advanced group are given, often in cycles, according to the demand.

A deposit of $5 is required for each laboratory course each semester. The usual expense, aside from special charges for unusual breakage or articles lost or taken from the laboratory, is at the rate of $2.50 for each semester hour of credit.

Introductory Courses.

1, 2. **Essentials of Physics.** A general non-mathematical course, open to all students at the beginning of each semester. This course includes lectures, recitations and one laboratory period per week. Tuesday and Thursday at 9. Laboratory one afternoon, 1 to 4. Professor Boynton.

Three hours, both semesters.

3. **General Physics.** Simple measurements, the mechanics of fluids, molecular physics, heat and sound. Intended for students who have had a high school course in Physics, or course 1-2. Should be taken either in freshman or sophomore

year. Two recitation sections: I, Tuesday, Thursday and Friday at 10; II, Monday, Wednesday and Friday at 11. Laboratory and problems, one or two afternoons, 1 to 4. Dr. Caswell.

Four or five hours, first semester.

4. **General Physics.** A continuation of 3, taking up the topics of magnetism, electricity and light. The same hours and days. Dr. Caswell. *Four or five hours, second semester.*

5, 6. **General Laboratory.** Laboratory work not included in other courses. Hours to be arranged.

INTERMEDIATE COURSES.

11. **Elementary Mechanics.** Supplementary to courses 3 and 4, taking up the mechanics of particles and rigid bodies, including rotary and accelerated motions, elasticity, and some portions of the mechanics of liquids. Two recitations and one three-hour period devoted either to laboratory or to problems.

Three hours, first semester.

12. **Advanced Mechanics.** A continuation of course 11, taking up some problems of greater difficulty.

Three hours, second semester.

13. **Electrical Measurements.** Prerequisite: A year of College Physics, and Mathematics 2 or 3. Laboratory and lectures, mainly on direct currents, including a study of standards, the calibration of commercial instruments by the potentiometer, and the measurement of capacities and inductances. Lectures Tuesday and Thursday at 11; laboratory Tuesday, 1 to 4. Professor Boynton. *Three hours, first semester.*

14. **Electrical Measurements.** A continuation of course 13, taking up the intensity and distribution of illumination and efficiency of incandescent lamps, the magnetic properties of iron, and an introduction to alternating current theory and measurement, electric oscillations and waves, and wireless telegraphy. Professor Boynton. *Three hours, second semester.*

15. **History and Teaching of Physics.** A survey of the most important developments of the subject, and discussion of the teaching of Physics in secondary schools. Tuesday and Thursday at 8. Professor Boynton. *Two hours, first semester.*

16. **Physical Technics.** The construction, adjustment, repair and manipulation of physical apparatus, including a study of

home-made apparatus for high school laboratories, the elements of glass working, etc. Lectures, assigned readings, and laboratory. One hour lecture or conference and one laboratory period per week. Professor Boynton.

Two hours, second semester.

17. **Electricity and Matter.** Lectures, assigned readings and laboratory on cathode and canal rays, Roentgen rays, ionization of gases, photo-electric effect, radio-activity and similar topics. Prerequisites: A year of College Physics, and some familiarity with Elementary Chemistry. Two lectures and one laboratory period. Hours to be arranged. Dr. Caswell.

Three hours, first semester.

18. **Sound.** A more extended treatment than that given in the general courses, intended especially for students of music. Text-book, experimental lectures, and a very complete collection of lantern slides. Considerable attention is given to the scientific basis of harmony and music, and to the physics of musical instruments. Hours to be arranged. Professor Boynton.

Two hours, second semester.

19. **Meteorology.** A study of the Physics of the Atmosphere, including the use of meteorological instruments, the study of air and ocean currents, the distribution of temperature and moisture, the study of weather reports and maps, and some practice in forecasting. Dr. Caswell.

Three hours, first semester.

21, 22. **Selected Topics.** Lectures by members of the department on recent advances in the science and other topics of interest, such as Relativity, the nature of the ether, the Quantum theory, electrons, the gyroscope and its application, wireless telegraphy, the diffraction and polarization of light, waves and ripples, soap-bubbles, toys and the physical principles they involve. Hours to be arranged. Professor Boynton and Dr. Caswell.

Advanced Courses.

31. **Thermodynamics.** Prerequisites: A year of College Physics, and Differential and Integral Calculus. A course on the theory of heat as applied to ideal gases, saturated vapors, and other simple types of substances, introductory to the study

of the steam engine. Especially recommended to students specializing in Physics or Physical Chemistry. Professor Boynton. *Three hours, first semester.*

32. **Molecular Physics.** A continuation of course 31, including the kinetic theory of gases and liquids; the deduction and further discussion of van der Waal's equation, and the theoretical aspects of the theory of solutions. Professor Boynton. *Three hours, second semester.*

33. **Theoretical Electricity.** An introduction to the mathematical theory, treating of alternating currents, electric waves and oscillations, high frequency phenomena, and the theoretical basis of wireless telegraphy. Hours to be arranged. Professor Boynton.

34. **Theory of Light.** Lectures with experimental illustration. Problems relating to the theory of optical instruments, treated by the methods of Geometrical Optics, and of the wave theory. Prerequisites: A year of College Physics, and Differential and Integral Calculus. Two lectures and one laboratory period. Dr. Caswell. *Three hours, second semester.*

35, 36. **Advanced Mathematical Physics.** Lectures and assigned readings. The topics treated will be varied from year to year, to suit the needs of students. Hours to be arranged. Professor Boynton and Dr. Caswell.

37, 38. **Advanced Laboratory, Research and Thesis.** Qualified students will have all the facilities of the laboratories placed at their disposal, and will receive the advice and assistance of the department. Hours to be arranged. Professor Boynton and Dr. Caswell.

39, 40. **Seminar and Journal Club.** Conferences and reports on assigned topics and current periodical literature. Professor Boynton and Dr. Caswell.

Equipment.

The building occupied by the department has been recently remodeled. There are two well-equipped lecture rooms, a large general laboratory with special dark rooms for photometry and photography, a special electrical laboratory with a room for photometric research, a number of small rooms which can be assigned to special uses, such as occasional

advanced courses or researches, and a battery and switchboard room, from which an abundance of circuits go to all parts of the building.

The equipment of the department includes cases for apparatus; a considerable equipment for the elementary laboratory; apparatus for the determination of the Mechanical Equivalent of Heat according to Puluj; standard thermometers with certificates from the German Reichsanstalt; photometers, a Michelson interferometer, and other important optical instruments for the advanced laboratory; a large balance, and an equipment of modern steel rod supports for the lecture room; and a notable equipment for electrical measurements, including resistances, standard capacities and inductances, a potentiometer and galvanometers from the Leeds and Northrup Co.; ammeters and voltmeters from the American Instrument Co., from the Keystone Electrical Instrument Co., and from the Weston Electrical Instrument Co.; wattmeters and dynamometers, and a standard ohm by Otto Wolff, and Weston Standard cells, including some which have been compared with those of the National Bureau of Standards.

POLITICAL SCIENCE.

Professor Barnett.

I. For Undergraduates.

1. **American Government.** The government of the United States, federal, state, and local, with special attention to the operation of the federal government. Prerequisite to all other courses in Political Science. Seniors will receive no credit for this course. Tuesday, Thursday and Friday at 10.

Three hours, first semester.

2. **European Governments.** The organization and operation of the governments of England, France, Germany and Switzerland, with special attention to the government of England. Seniors will receive no credit for this course. Tuesday, Thursday and Friday at 10. *Three hours, second semester.*

3. **Elementary Law.** A very brief introduction to the theory of law and to the history of English and American law, followed by a general consideration of the principal branches of

the common law. Practice in the use of cases. Students credited with courses in contracts or torts will receive no credit for this course. Seniors will receive no credit for this course. Monday, Wednesday and Friday at 9.

Three hours, first semester.

II. For Undergraduates and Graduates.

4. **Constitutional Law.** A study of the federal constitution as interpreted by the courts. Chiefly a discussion of leading cases. It is desirable that this course be preceded by Political Science 3. Monday, Wednesday and Friday at 9.

Three hours, second semester.

5. **International Law.** The general principles of international law. It is desirable that this course be preceded by Political Science 3. Monday, Tuesday and Thursday at 8.

Three hours, first semester.

6. **Law of Officers.** The law of public officers. Chiefly a discussion of leading cases. Open to students credited with at least one course in law. Monday, Tuesday and Thursday at 8.

Three hours, second semester.

7. **Political Internationalism.** The peace movement; the causes and consequences of war, and the means of preserving peace; the history and present status of international political organization through international legislation, international jurisdiction and international administration; ideals of international political organization; the social basis of international political organization; nationalism and cosmopolitanism. Open to qualified juniors and seniors. Monday, Tuesday and Thursday at 8. (Omitted 1915-16.) *Three hours, first semester.*

8. **City Government.** The organization and operation of city government in France, Prussia, England, and the United States, with special attention to contemporary reforms in the United States. Open to qualified juniors and seniors. Monday, Tuesday and Thursday at 8. (Omitted 1915-16.)

Three hours, second semester.

9. **Government of Oregon.** The State and local government of Oregon. Open to qualified juniors and seniors. Monday, Wednesday and Friday at 11. *Three hours, both semesters.*

10. **Practical Legislation.** The interpretation of written law; the drafting of constitutions, charters, statutes and ordinances. Open only to students credited with Political Science 3, Political Science 4, and Political Science 8. Monday, Wednesday and Friday at 11. (Omitted 1915-16.)

Three hours, first semester.

11. **Political Theory.** A very brief study of the history of political theory, and a more extensive study of modern political theory. Open to qualified juniors and seniors. Monday, Wednesday and Friday at 11. (Omitted 1915-16.)

Three hours, second semester.

PSYCHOLOGY.

PROFESSOR CONKLIN. DR. DALLENBACH.

Courses in this department are not open to freshmen except in special cases.

1. **Elementary General Psychology.** Lectures, discussions, and class-room demonstrations covering in a general way the elements of consciousness, their physical substrate, and the phenomena of sensation, habit, attention, association, perception, imagination, memory, judgment, reasoning, instinct, emotion, and will from both the structural and functional view points. Prerequisite to all other courses in Psychology except course 6. Monday, Tuesday and Thursday at 8 and 11. Professor Conklin and Dr. Dallenbach.

Three hours, both semesters.

2. **Elementary Laboratory.** A corollary course to Psychology 1, and should preferably be taken the same year. It is designed to give the student an introduction to laboratory method in psychology. Experiments are performed in most of the groups of mental processes mentioned above. Hours to be arranged. Dr. Dallenbach.

One laboratory period, either semester.

3. **Experimental Psychology.** Designed for advanced students who desire the methods and results of experimentally controlled introspective work. This course concerns chiefly qualitative studies in sensation, imagination, affection, and the higher mental processes. Practice experimental work in

the laboratory is required of each student in the course. Tuesday and Thursday at 10; laboratory Tuesday, 1 to 4. Dr. Dallenbach. *Three hours, both semesters.*

4. **Abnormal Psychology.** Designed especially for pre-medical students and for majors in physical training. Aphasia, amnesias, hysteria, dual personality, trance states, telepathy, theories of the subconscious, sleep, dreams, hypnosis, dissociations, fixed ideas, psychotherapy, and the common types of insanity will be presented by means of lectures, discussions and text-book work. Tuesday and Thursday at 9. Professor Conklin. *Two hours, first semester.*

5. **Mental Hygiene.** This course is the complement of No. 4. It covers the conditions of efficient mental activity so far as they have been determined, the methods and results of the studies of mental fatigue, causes of mental retardation, the hygiene of the emotions and of the intellectual processes, and the causes and prevention of insanity. Tuesday and Thursday at 9. Professor Conklin. *Two hours, second semester.*

6. **Adolescence.** Genetic psychology in its broadest aspects is here studied, with special emphasis upon the psychological characteristics of adolescence and their relations to physiology, anthropology, sociology, crime, religion, philosophy, and education. G. Stanley Hall's Adolescence is used as a text-book. Open only to juniors and seniors. Wednesday and Friday at 8. Professor Conklin. *Two hours, both semesters.*

7. **Research Laboratory.** Designed for advanced students in laboratory technique. Courses 1 and 3 are indispensable prerequisites. Special training is given in introspective analysis of consciousness by participation in original researches under the personal direction of the instructor. Hours to be arranged. Dr. Dallenbach. *One hour, both semesters.*

8. **Psychology of Feeling and Attention.** By lectures, papers, and discussions, the history, theories, and results of experimental work upon these much-discussed topics in Psychology are thoroughly presented. During the semester each student makes a special study of some aspect of these problems which is related to his own interests. (Offered in 1914-15, and thereafter alternates with course 9.) Tuesday and Thursday at 11. Dr. Dallenbach. *Two hours, first semester.*

9. **Mental Tests.** Studies in methods of mental examination and the determination of degrees of intelligence. Methods of handling statistics, tests of sensory capacity, attention and perception, learning, suggestibility, etc., and the use of the Binet-Simon, DeSanctis and other tests for developmental diagnosis are learned by lectures, demonstrations, and personal laboratory practice. (Offered in 1915-16, and thereafter alternates with course 8.) Tuesday and Thursday at 11. Dr. Dallenbach. *Two hours, first semester.*

10. **Applied Psychology.** A study of the applications of Psychology to the interpretation of industrial, commercial, and professional problems. The selection of material for this course depends very largely upon the vocational ambitions of the students enrolled. During the past year it has consisted largely of the psychology of advertising. Part of the students' work consists of laboratory practice in the demonstration of applications made in class room and texts. Tuesday and Thursday at 11. Professor Conklin. *Two hours, first semester.*

For courses in educational and social Psychology, see announcements of the departments of Education and Sociology.

Graduate Students.

Courses 3, 4, 5, 6, 7, 8 and 9 above mentioned are designed for either advanced undergraduates or for graduate students. Where they are taken for credit toward an advanced degree special assignments will be made.

Laboratory Fees.

A laboratory fee of one dollar ($1.00) is charged for course 2, and a fee of two dollars ($2.00) for course 3. This is to cover the cost of supplies consumed. The apparatus used is provided by the University and no charge is made for its use.

Laboratory Equipment.

The Psychological Laboratory is now well equipped for practice or advanced work. It consists of a suite of nine rooms, in addition to the lecture room, in McClure Hall. All of the rooms are connected by an intercommunicating system of wires and speaking tubes, so that isolation of students for delicate work is easily accomplished; and all are supplied

with gas, compressed air, and power circuits. One of the rooms is commodious enough for seminary and small-class purposes, and another can be readily made absolutely dark for adaptation purposes. The laboratory has a considerable store of the more simple apparatus and some of the more complex pieces. Each year additions are made of the best modern construction. For demonstrational work in connection with the courses in General Psychology, Experimental Psychology, and Mental Hygiene and for laboratory practice the equipment of apparatus is already good, making it possible to illustrate and reproduce the principal methods of experimental study of the sensations, attention, emotional expression, fatigue, reaction times, etc.

PUBLIC SPEAKING.

PROFESSOR REDDIE. ASSISTANT PROFESSOR PRESCOTT.

1. **Public Speaking.** Vocal culture and platform manner. Anatomy of the vocal organs. Impromptu speaking. Tone quality and radiation. Professor Reddie and Assistant Professor Prescott. *Two hours, both semesters.*

2. **Public Speaking.** Open to those who have had course 1. Tone color and analysis. Interpretation of standard literature. Professor Reddie. *Two hours, both semesters.*

3. **Extempore Speaking.** Practice in the preparation and delivery of short speeches taken from history, economics, education, literature, and from topics of the day. Especial study of the ends of speech from the standpoint of clearness, impressiveness, belief, action and entertainment. Open only to those who have had or are taking course 1. Assistant Professor Prescott. *Two hours, both semesters.*

4. **Advanced Extempore Speaking.** A continuation of course 3. Open to those who have had course 3. Assistant Professor Prescott. *Two hours, both semesters.*

5. **Dramatic Interpretation.** A course in the practical study of the drama. In the year's work plays are publicly presented by the students of this class under the auspices of the University of Oregon Drama Guild, an organization composed of members of the University faculty and representative citizens

whose purpose is the production in Oregon of such plays as would not ordinarily be presented here.

Students in the course become acquainted with the dramas presented from as many angles as possible, and those interested in playwriting would especially be benefited through the opportunity for studying the purely mechanical side of production as well as the technical features of interpretation. The course includes acquaintance with the technique of acting, study of costume, period decoration, architecture, manners and customs, musical themes, stage carpentry, lighting and color effects. Only a limited number of students are admitted to this course. Professor Reddie. *Three hours, both semesters.*

5a. Freshmen and sophomores.

5b. Juniors and seniors.

ROMANCE LANGUAGES AND LITERATURES.

PROFESSOR CLORAN. MISS EWBANK.

FRENCH

1. **Elementary French.** Fraser and Squair's Shorter French Course. The reading of several hundred pages of graduated texts is required. Super's French Reader or some similar text-book is used. Students who have had no foreign language are advised to take Latin or German. Daily at 9.

Five hours, both semesters.

2. **Advanced French.** Composition and syntax. Reading of prose and verse. Selections will be read from the following authors: Bazin, Loti, Hugo, Gautier, Balzac, De Vigny, About. Open to students who have had course 1, or two years of high school French. Monday, Tuesday, Thursday and Friday at 10. *Four hours, both semesters.*

3. **History of French Literature in the Seventeenth Century.** Selections will be read from Racine, Moliere, Corneille, Bossuet, Pascal and Boileau. This course is open to students who have completed course 2, or its equivalent. Monday, Wednesday and Friday at 11. *Three hours, both semesters.*

4. **History of French Literature in the Eighteenth and Nineteenth Centuries.** The following texts will be read: Selections from the works of Rousseau, Voltaire, Beaumarchais, Cha-

teaubriand, Beranger, Alfred de Musset, Alfred de Vigny, Lamartine, Gautier, and Victor Hugo. Course 4 alternates with course 3. *Three hours, both semesters.*

5. **Scientific French.** The purpose of this course is to acquaint the student with technical terms, to familiarize him with scientific forms of expression and style, and to enable him to read with profit the scientific and technological contributions to French magazines. Bowen's Scientific French Reader will be used, and a number of magazine articles will be assigned to each student for outside reading. Open to students who have had two years of French.

Two hours, both semesters.

6. **French Conversation.** Open to students who have had one year of French and who are taking courses 2, 3 or 4.

Two hours, second semester.

7. **History of French Literature and French Civilization.** Open to students who have had two years of French.

Three hours, both semesters.

For Graduates and Advanced Undergraduates.

8. **Old French.** Lectures on old French phonology and morphology. Students shall provide themselves in advance with Gaston Paris' Extraits de la Chanson de Roland, and Schwan-Behren's Grammaire de l'ancien francais, traduction de Bloc (Leipzig, 1900). Other books used are Koerting, Lateinisch-romanisches Woerterbuch, Paris' edition of La Vie de St. Alexis (Paris, 1903).

Open to students who have had at least two years of German, four years of French, and four years of Latin.

Three hours, both semesters.

Spanish.

1. **Elementary Spanish.** Olmsted's Spanish Grammar; Alarcon, El Captain Veneno; Padre Isla, Gil Blas de Santillana; Spanish conversation. Harrison's Commercial Reader. The course is open to students who have had two years of Latin, German or French. Monday, Tuesday and Thursday at 8.

Three hours, both semesters.

2. **Advanced Spanish.** Modern Spanish literature. Palacio Valdes, Perez Galdos, Alarcon, Valera, Echegaray, Becquer, and Pereda. Spanish conversation. Commercial Spanish. Wednesday and Friday at 8. *Two hours, both semesters.*

3. **Classical Spanish.** Cervantes Don Quixote (selections); selected plays of Lope de Vega, and Calderon.

Two hours, both semesters.

Italian.

1. **Elementary Italian.** Grandgent's Italian Grammar; Bowen's First Italian Readings; Reading of Modern Prose. This course will be open to students who have had two years of French or four years of Latin. Tuesday and Thursday at 11.

Two hours, both semesters.

2. **Advanced Italian.** The classic period of Italian Literature. Readings from Dante, Boccaccio and Petrarch. Courses 1 and 2 are given in alternate years.

Two hours, both semesters.

3. **Dante and Tasso.** The works of Dante and Tasso in English translations. *Two hours, both semesters.*

Portuguese.

4. **Branner's Portuguese Grammar.** Reading of prose and poetry. Open to students who have had two years of Spanish.

Two hours, second semester.

ZOOLOGY.

Professor Bovard. Assistant Professor Edmondson.
Dr. Gutberlet.

Laboratory Assistants:

Mr. Foster. Mr. Simkins.

(a) **Introductory Courses** in general Zoology and elementary Physiology for students seeking general culture. Zoology 1, 2, 11 and 12.

(b) **Teachers' Courses** for those who expect to teach Science in the high schools, more especially Physiology. Zoology 11 and 12.

(c) **Advanced Courses** in Zoology, Anatomy and Physiology for students making Zoology their major and for those in the pre-medical department.

(d) **Pre-Medical Department.** Courses for students intending to study Medicine and Dentistry.* The work is designed to lay as broad a foundation as possible for the work in the Medical College and to give the student some idea of the work he has chosen as his profession.

A pre-medical course should include courses in Zoology and Physiology; Botany and Bacteriology; Chemistry, inorganic and organic; at least a year of Physics with laboratory practice; and a reading knowledge of French and German.

Pre-medical courses in this department: Freshman year, Zoology 1 and 2; sophomore year, Zoology 3, 14; junior year, Zoology 4 and 6, senior year, Zoology 7, 8 and 15.

Note—For further information concerning Pre-Medical Department, see pages 81-82.

1. **Invertebrate Zoology.** Three lectures and one laboratory period. The lecture will cover the general principles of Zoology, the characteristics of the main groups of the animal kingdom, the life histories of some of the most important forms, and the general principles of physiology as taught by comparative Zoology. Open to all students. Lecture, Monday, Tuesday and Friday at 10; laboratory, Monday, Tuesday or Wednesday, 1 to 4. *Four hours, first semester.*

2. **Vertebrate Zoology.** Three lectures and one laboratory period. A continuation of course 1, using vertebrate types. Prerequisite to all higher courses in this department. Open to all freshmen. Lecture, Monday, Tuesday and Friday at 10; laboratory, Monday, Tuesday or Wednesday, 1 to 4.

Four hours, second semester.

3. **Comparative Anatomy.** A general course on the development of the vertebrate. Lectures on the anatomy and zoology of lower vertebrates, the osteology and evolution of the higher forms. The laboratory work covers the comparative study of selected types of vertebrates. This course should precede

*Those intending to study Pharmacy should see Botany, under Announcement of Courses.

course 14. Open to all students. Two lectures and two laboratory periods. Lecture, Tuesday and Thursday at 8; laboratory, Thursday and Friday, 1 to 4. *Four hours, first semester.*

4. **Histology.** A detailed study of the tissues and the organs of the body, the preparation of microscopical slides. Open to all students who have had courses 1 and 2. Prescribed for pre-medic students. Two lectures and two laboratory periods. Lecture, Tuesday and Thursday at 8; laboratory, Monday and Tuesday, 1 to 4. *Four hours, first semester.*

6. **Vertebrate Embryology.** The development of the chick and a comparison with some of the other vertebrate types. Prerequisite: Courses 1 and 2. Two lectures and two laboratory periods. Lecture, Tuesday and Thursday at 8; laboratory, Monday and Tuesday, 1 to 4. *Four hours, second semester.*

7. **Physiology.** Blood Circulation, Respiration, Muscle, Nerve, Reproduction, and the Nervous System. Prerequisites: Courses 3, 4 and 6, Organic Chemistry, and one year of Physics. Three lectures and one laboratory period. Lecture, Monday, Wednesday and Friday at 8; laboratory, Wednesday, 1 to 4. *Four hours, first semester.*

8. **Physiology.** Digestion, Metabolism, Dietetics, Excretion, and Animal Heat. Prerequisites: Courses 3, 4 and 6, Organic Chemistry, and at least a year of Physics. Three lectures and one laboratory period. Lecture, Monday, Wednesday and Friday at 8; laboratory, Wednesday, 1 to 4. *Four hours, second semester.*

9. **Seminar.** Discussion of current literature. Students will be given topics on Zoological problems and expected to report on the literature and general status of the subject. One hour each week; hours to be arranged. *One hour, both semesters.*

10. **Research Laboratory.** Original work on some Zoological problem by the student under the guidance of the instructor. Credit to be based on the character of the work. Hours to be arranged.

11. **Elementary Physiology.** A course in the elements of Physiology, designed for those who intend to teach Science,

especially Physiology, in the high schools. The work will be based on Hough and Sedgwick's book, "The Human Mechanism," and will consist of recitations, lectures on special topics, and simple experiments adapted for high school use. Open to all. Two lectures and one laboratory period. Lecture, Tuesday and Thursday at 11; laboratory, Thursday, 1 to 4.

Three hours, first semester.

12. **Field Zoology.** A course in which the local fauna of fresh water, field and forest will be studied. The forms will be classified, morphological and ecological studies made, life histories followed and economic aspects emphasized. Prerequisite: Courses 1 and 2. Lecture, Thursday at 11; laboratory, Wednesday, 1 to 4. *Two hours, both semesters.*

14. **Mammalian Anatomy.** A course in dissection of a typical mammal, intended for those going into medicine, or the advanced work in Physiology. One lecture and three laboratory periods. Lecture, Wednesday at 9; laboratory, Thursday and Friday, 1 to 4; Saturday, 8 to 12.

Four hours, second semester.

15. **Bionomic Problems.** Lectures and demonstrations on the Life History of certain forms, their behavior, conditions of existence; the geographical distribution of animals; factors and evidences of evolution, results of modern experimentation on evolution; theories of development and heredity. Open to all students. Lecture, Tuesday and Thursday at 10.

Two hours, second semester.

16. **Marine Zoology.** Work will be carried on at the Marine Biological Laboratory at Puget Sound, Friday Harbor, Washington. The work will be done under the direction of the Department of Zoology of the University of Oregon. Credit will be given on the same basis as the Summer School work at Eugene.

17. **Studies of Birds.** Lectures and field work devoted to the study of the habits, classification, methods of flight, color, feeding habits, etc. Lecture, Thursday at 1; laboratory hours to be arranged. *Two hours, second semester.*

Equipment.

The Zoological Laboratories are equipped with microscopes, models, and other apparatus for all the ordinary work in Zoology, Microscopical Anatomy, and Physiology, and a number of skeletons for work in Comparative Anatomy and Human Osteology. The department will endeavor to furnish special apparatus as the occasion demands.

The Museum contains a fine series of birds and mammals, mounted and unmounted, to illustrate different groups; a collection of Oregon reptiles, made by Mr. J. R. Wetherbee; a series of fish, mostly salmonidae from the Columbia River, donated by the United States Government; a collection of food fishes of the Oregon Coast, made by Mr. B. J. Bretherton, of Newport, Oregon, and presented to the University.

Laboratory Fees in Zoology.

A deposit fee is required in all courses in this department, with the exception of Zoology 9, 15. In the courses requiring laboratory deposits, the fee for Zoology 1, 2, 11, 12 and 17 is $2.00; the remainder, $5.00.

Although the apparatus loaned to the student is expensive, the fee is not intended to meet this in any measure, but to cover the cost of the materials used and the apparatus not returnable. A certain portion of the fee is returned to the student in all courses except Zoology 1, 2, 11, 12 and 17, if there has been no breakage, or in case the money has not been used to buy additional materials. The usual expense to the student in the advanced courses is from $2.50 to $4.00.

SCHOOL OF ARCHITECTURE AND FINE ARTS.

THE FACULTY.

P. L. CAMPBELL, B. A., LL. D., EUGENE.
President of the University.

ELLIS FULLER LAWRENCE, S. M., F. A. I. A., PORTLAND.
Professor of Architecture in charge of the course.

EDWARD HIRAM MCALISTER, M. A., EUGENE.
Professor of Structures.

PERCY PAGET ADAMS, B. S., EUGENE.
Professor of Graphics.

——— ———, EUGENE.
Professor of Drawing.

GENERAL STATEMENT.

The organization in 1914 of the School of Architecture and Fine Arts, was in answer to a popular demand for architectural training. The school will endeavor to give the comprehensive training necessary to insure a capable architectural profession in the State worthy of the confidence of the public, and to inspire the same progressive standard in the buildings as marks its achievements in other fields of activity.

The school has received the endorsement of the Oregon Chapter of the American Institute of Architects.

THE UNIVERSITY OF OREGON COURSE.

The School of Architecture and Fine Arts is offering a four-year course with strong entrance requirements. This high standard of entrance may make it necessary for the student to spend one year or more in general University work before entering the school.

DEGREES OFFERED.

For the successful completion of the four-year course in the Design Option the Degree of Bachelor of Architecture is offered.

For those registered in the department before the school year of 1915-1916 who have answered the general University

requirements for entrance and general scholarship standing, a degree of Bachelor of Arts will be given in place of the degree of Bachelor of Architecture, unless the work called for in the following synopsis of the course is made up by extra work. Values will be given for summer work and in actual office experience.

FACILITIES AND EQUIPMENT.

The School of Architecture and Fine Arts is housed in the new Architectural Building. It has two liberal draughting rooms very well lighted, and an ample studio with a collection of casts and reproductions of architectural renderings.

A liberal budget allowance has been made for the continued purchase of slides and architectural books, which should make the equipment most satisfactory for the coming year's work.

FEES.

An annual registration fee of $2.00 is required from each student by the Society of Beaux Arts Architects. It is compulsory for each student in the sophomore, junior and senior years to pay this registration fee in order to be eligible to take such problems of the Beaux Arts Society as the Professor of Design may designate.

PRIZES.

Mr. A. E. Doyle, president of the Oregon Chapter of the American Institute of Architects, announced in his address at the opening of the school in 1914, that the Oregon Chapter expected to give a prize for the best student work done each year in the course of Architecture. A $1000 annual prize is offered by the Architectural League of the Pacific Coast. Students of the School of Architecture are eligible to compete.

SYNOPSIS OF THE COURSE IN ARCHITECTURE.

DESIGN OPTION.

FRESHMAN YEAR.

FIRST AND SECOND SEMESTERS.

Subject.	*Course.*	*Credits each semester.*
English Composition	English 3	2
Analytical Geometry and Calculus	Mathematics 3	3
Elementary German, or Elementary French	German 1, or Romance Languages 1	5
General Physics	Physics 3 and 4	4
Descriptive Geometry and Shades and Shadows	Graphics 1 and 2	2
Architectural Design	Architecture 1	1
Physical Training		
	Total credits,	17

SOPHOMORE YEAR.

FIRST SEMESTER.

General Chemistry	Chemistry 1	4
Applied Mechanics	Construction 5	3
Advanced German, or Advanced French	German 2, or Romance Languages 2	4
Architectural History	Architecture 9	1
Drawing Objects	Drawing 1	1
Water Color	Drawing 3	1
Architectural Design, Elementary	Architecture 2	3
Physical Training		
	Total credits,	17

SECOND SEMESTER.

Applied Mechanics and Graphic Statics	Construction 5	3
Outlines English Literature	English 31	3
Architectural History	Architecture 10	1
Research, Ornament and Styles	Architecture 13	1
Geology of Building Materials	Geology	1
Perspective	Graphics 3	1
Cast Drawing	Drawing 2	1
Water Color	Drawing 3	1
Architectural Design, Elementary	Architecture 2	5
Physical Training		
	Total credits,	17

JUNIOR YEAR.

First Semester.

History of Civilization and Art		3
Architectural History	Architecture 11	2
Research, Ornament and Style	Architecture 14	1
Public Speaking	Public Speaking 1	2
Special Subjects: Heating, Ventilating, Plumbing, Acoustics, Illuminating, Color	Construction 1	1
Cast Drawing	Drawing 4	1
Life Class	Drawing 5	1
Architectural Design, Intermediate	Architecture 3	4
Domestic Architecture	Architecture 6	1
Specifications and Working Drawings	Architecture 8	1
	Total credits,	17

Second Semester.

History of Civilization and Art		3
Architectural History	Architecture 12	2
Research, Ornament and Style	Architecture 14	1
Special Subjects: Sanitation, Science and Public Health	Construction 2	1
Life Class	Drawing 6	2
Pen and Pencil	Drawing 9	1
Architectural Design, Intermediate	Architecture 3	5
Domestic Architecture	Architecture 7	1
Specifications and Working Drawings	Architecture 8	1
	Total credits,	17

SENIOR YEAR.

First Semester.

Elements of City Planning	Architecture 15	1
Business Relations (Contracts, Business Law)	Architecture 16	1
Life Class	Drawing 7	1
Pen and Pencil	Drawing 10	1
Modeling	Drawing 11	1
Architectural Design	Architecture 4	7
Building Materials and Constructive Types	Construction 3	1
Constructive Design	Construction 6	2
	Total credits,	15

SECOND SEMESTER.

Elements of City Planning	Architecture 15	1
Business Relations (The Architect's Office, Client, Contractor) . . .	Architecture 17	1
Life Class	Drawing 8	1
Cartoons for Mural and Stained Glass	Drawing 13	1
Modeling	Drawing 12	1
Architectural Design	Architecture 4	8
Constructive Design	Construction 6	2
	Total credits,	15

NOTE—Three hours of drawing are required for one credit value.

STRUCTURAL OPTION.

For the freshman and sophomore years the schedule will be identical with the Design Option. A further announcement of this option may be made within the year.

DESCRIPTION OF COURSES.

ARCHITECTURE.

1. **Architectural Design.** Elements, orders and rendering throughout the year. Drawing. Professor Adams and Professor Lawrence. Freshman subject. *One hour, each semester.*

2. **Architectural Design.** Elementary, throughout the year. Drawing. Professor Lawrence. Sophomore subject.

Three hours, first semester.
Five hours, second semester.

3. **Architectural Design.** Intermediate, throughout the year. Drawing. Professor Lawrence. Junior subject.

Four hours, first semester.
Five hours, second semester.

4. **Architectural Design.** Throughout the year. Drawing. Professor Lawrence. Senior subject.

Seven hours, first semester.
Eight hours, second semester.

5. **Architectural Design.** Advanced. To be arranged.

6. **Domestic Architecture.** Site, landscaping, exterior, plan. Professor Lawrence and special lecturers. Lectures and drawing. Junior subject. *One hour, one semester.*

7. **Domestic Architecture.** Details, interior decoration, furniture. Professor Lawrence and special lecturers. Junior subject. *One hour, second semester.*

8. **Specifications and Working Drawings.** Throughout the year. Professor Adams and Professor Lawrence. Lectures and drawing. Junior subject. *One hour, each semester.*

9 and 10. **Architectural History.** Throughout the year. Egyptian, Assyrian, Persian, Grecian, Roman and Byzantine. Lectures, sketches from screen and research. Professor Lawrence. Sophomore subject. *One hour, each semester.*

11 and 12. **Architectural History.** Throughout the year. Romanesque, Gothic and Renaissance and Modern. Lectures, sketches from screen and research. Professor Lawrence. Junior subject. *Two hours, each semester.*

13. **Research.** Ornament and styles, classic period. Drawing. Professor Lawrence. Sophomore subject.

One hour, second semester.

14. **Research.** Ornament and styles. Throughout the year. Drawing. Professor Lawrence. Junior subject.

One hour, each semester.

15. **Elements of City Planning.** Throughout the year. Lectures, research and drawing. Course to be given in 1916-17. Professor Lawrence. Senior subject. *One hour, each semester.*

16. **Business Relations, Contracts, Business Law.** Lectures. Course to be given in 1916-17. Senior subject.

One hour, first semester.

17. **Business Relations, Architect's Office, Accounting Methods, Client and Contractor.** Course to be given in 1916-17. Professor Sowers and Professor Lawrence. Senior subject.

Construction and Practice.

1. **Special Subjects.** Heating, Ventilating, Plumbing, Acoustics, Illumination and Color. Lectures. Dr. Boynton and Dr. Caswell. Junior subject. *One hour, first semester.*

2. **Special Subjects.** Sanitary Science and Public Health. Lectures. Dr. Hodge and Professor Sweetser. Junior subject. *Second semester.*

3. **Building Materials and Construction Types.** Professor McAlister. Senior subject. *One hour, first semester.*

4. **Geology of Building Material.** Lectures and laboratory. Dr. W. D. Smith. Sophomore subject.
One hour, second semester.

5. **Applied Mechanics,** including Graphic Statics. Throughout the year. Lectures, recitations. Professor McAlister. Sophomore subject. *Three hours, each semester.*

6. **Constructive Design.** Throughout the year. Lectures and drawing. Professor McAlister. Senior subject.
Two hours, each semester.

Drawing.

Instructors will be announced in a future bulletin.

1. **Object Drawing.** Sophomore subject.
One hour, first semester.

2. **Cast Drawing.** Sophomore subject.
One hour, second semester.

3. **Water Color.** Throughout the year. Sophomore subject.
One hour, each semester.

4. **Cast Drawing.** Junior subject. *One hour, first semester.*

5. **Life Class.** Junior subject. *One hour, first semester.*

6. **Life Class.** Junior subject. *One hour, second semester.*

7. **Life Class.** Senior subject. *One hour, first semester.*

8. **Life Class.** Senior subject. *One hour, second semester.*

9. **Pen and Pencil.** Junior subject.
One hour, second semester.

10. **Pen and Pencil.** Senior subject.
One hour, first semester.

12. **Modeling.** Senior subject. *One hour, second semester.*

11. **Modeling.** Senior subject. *One hour, first semester.*

13. **Cartoons.** Mural and Stained Glass. Senior subject.
One hour, second semester.

Graphics.

1. **Descriptive Geometry.** Lectures and Drawing. Professor Adams. Freshman subject. *Two hours, first semester.*

2. **Shades and Shadows.** Lectures and Drawing. Professor Adams. Freshman subject. *Two hours, second semester.*

3. **Perspective.** Lectures and Drawing. Professor Adams. Sophomore subject. *One hour, second semester.*

OTHER REQUIRED SUBJECTS.

Freshman Year.

English 3. English Composition throughout the year. Prerequisite three units English. *Two hours, each semester.*

Mathematics 3. Analytical Geometry and Calculus throughout the year. Prerequisite: Algebra, Plane Geometry, Solid Geometry and Trigonometry. *Three hours, each semester.*

German 1. Elementary German throughout the year; 5 hours, each semester, or Romance Language 1, Elementary French throughout the year. *Five hours, each semester.*

Physics 3 and 4. General Physics throughout the year. Recitation and laboratory. Prerequisite: High school Physics. *Four hours, each semester.*

Sophomore Year.

Chemistry 1. General Chemistry. Recitation and laboratory. *Four hours, first semester.*

German 2. Advanced German. Prerequisite: German 1; 4 hours, first semester, or Romance Language, Advanced French. Prerequisite: Romance Language 1. *Four hours, first semester.*

English 31. Outlines English Literature. *Three hours, second semester.*

Junior Year.

History of Civilization and Art. Throughout the year. Lectures. Dr. Rebec. *Three hours, each semester.*

Public Speaking 1. Public Speaking. Assistant Professor Prescott. *Two hours, first semester*

SCHOOL OF COMMERCE.

FACULTY.

P. L. Campbell, B. A., LL. D., President.

H. B. Miller, Director of the School of Commerce.

James D. Barnett, Ph. D., Professor of Political Science.

Ernest S. Bates, Ph. D., Professor of Rhetoric.

William P. Boynton, Ph. D., Professor of Physics.

Timothy Cloran, Ph. D., Professor of Romance Languages.

Edgar E. DeCou, M. S., Professor of Mathematics.

Edward W. Hope, Ph. D., Professor of Law.

Joseph Schafer, Ph. D., Professor of History.

F. G. G. Schmidt, Ph. D., Professor of German.

Henry D. Sheldon, Ph. D., Professor of Education.

Warren D. Smith, Ph. D., Professor of Geology.

Don C. Sowers, B. A., Professor of Municipalities and Public Accounting.

Frederick G. Young, B. A., Professor of Economics and Sociology

GENERAL STATEMENT.

The School of Commerce was established in 1913, and now offers a full four years of advanced courses, the general purposes of which are these:

1. To give the student a foundation of general information that will equip him for specialized study along any business or commercial lines.

2. To drill him in the general principles underlying business and commerce.

3. To give special preparation for numerous branches of business and commerce, such as those indicated below.

4. To familiarize him thoroughly with the resources of Oregon and teach him how to market its products.

This broad plan is carried out through cooperation of the two divisions of the School of Commerce: the instructional side upon the campus at Eugene, and the department of commercial and industrial survey, which has headquarters in Portland. The latter department assembles market information

from all over the world, and aims in other ways to make possible ready sale at living prices of the commodities of the state.

The student is to employ the business and commerce instruction he receives on the campus to aid in the practical work of the department of commercial and industrial survey. The School of Commerce as a whole is thus intended to be a center of study and knowledge of the producing, distributing and marketing life of industrial Oregon.

The department of commercial and industrial survey is a laboratory for acquiring this knowledge. It has during the first year of existence conducted four important surveys: box shook markets, potato markets and uses, condensed milk products, and the development of hydro-electric powers and their uses throughout the world. The market search for box shook and condensed milk outlets was world wide. The machinery of the department of commerce at Washington has been put at the service of the department of commercial and industrial survey in these market investigations. The services of the hundreds of consuls-general, consuls and consular agencies in foreign countries were at the disposal of the survey in the box shook and condensed milk searches. The United States Department of Commerce maintains, in addition, commercial attaches at the embassies of leading foreign countries, ten representatives in different sections of the United States, and special agents to investigate foreign markets. This splendid machinery of general government makes possible an experienced world-wide survey of market openings in any line that would not otherwise be obtainable without immense expense.

It is the purpose that commerce students shall receive practical training in these surveys; such students are expected thus to acquire invaluable knowledge of trade conditions abroad and production possibilities at home. The results of surveys are generally to be put into pamphlet form and distributed. The above outline will make clear why emphasis is laid in the subsequent outline of courses upon industrial organization, resources of the Northwest, and phases of foreign and domestic commerce.

The director of the department of commercial and industrial survey is H. B. Miller, formerly consul-general from the United States to Japan, and prior to that consul-general at New Chwang, China. His office is at 814 Journal building, Portland. Seven prominent citizens of Oregon are advisers to the survey. They are: C. C. Colt, Portland, president of the Union Meat Company; C. E. Spence, Oregon City, R. F. D. No. 3, master of the State Grange; A. H. Harris, Portland, former editor of the Portland Labor Press; W. K. Newell, Gaston, horticulturist and dairyman, and member of the University of Oregon Board of Regents; John A. Keating, Portland, president of the Lumbermen's Trust and Savings Bank; Fletcher Linn, Portland, secretary of the Beaver Portland Cement Company; and W. D. Skinner, Portland, traffic manager of the Spokane, Portland & Seattle Railway Company.

To go direct from Oregon to service in one of the great business establishments of New York city is an experience made possible for University of Oregon graduates, through an offer from the School of Commerce of New York University. The idea developed from desires expressed by such concerns as the United States Steel Corporation, the American Telephone and Telegraph Company, the Ingersoll Watch Company, the National City Bank, to secure men trained for foreign business. A number of leading New York business houses followed suit. The companies will pay men employed under this plan $60 to $75 a month on a year's contract, the men to give one-half their time to business studies in New York University during the college year, and the remaining half and the full vacation period to the business houses. The arrangement is thus virtually a business fellowship. The contracts are renewable with a probable advance in pay, and it is hoped the men will show sufficient ability and character to fit them to take important permanent positions in three or four years. The opportunity is considered an unusual one for young Oregon men planning on a business career, few of whom have hitherto been able to become connected with New York business circles. The houses engaged in foreign trade wish to fit men for business in Russia, India, China, South America, and elsewhere, as well as in the United States.

I. THE UNDERGRADUATE DEPARTMENT.

1. The specific industrial and administrative professions for which the University should provide preparatory training:
   (a)—Business Management.
   (b)—Civil Service and Public Affairs.
   (c)—Public Accountancy.
   (d)—Private Accounting and Auditing.
   (e)—Banking.
   (f)—Insurance.
   (g)—Secretarial Business.
   (h)—Teaching of Commercial Subjects.
2. Component courses of undergraduate work:
   (a) **Foundational—**
      1. English.
      2. A Foreign Language, including business correspondence in commercial Spanish and German.
      3. Economic Geography.
      4. One laboratory course in a Natural Science.
      5. Economic and Social History of England and the United States.
      6. Political Institutions.

   (b) **Liberalizing and Re-enforcing Courses—**
      1. Principles of Economics.
      2. Money and Banking.
      3. Transportation.
      4. Trusts.
      5. Public Finance.
      6. Sociology.
      7. Sociological Problems.
3. Professional courses:
   1. **Accounting—**
      Elements of Accounting.
      Advanced Accounting.
      Cost Accounting.
      Auditing.
      Corporation Accounts.
      Municipal Accounting.
      Public Utility Accounts.
      Advanced Problems in Accounting.

2. **Finance—**
Corporation Finance.
Banking Practice.
Principles of Insurance.
Fire Insurance.
Life Insurance.

3. **Business Management—**
Business Organization.
Markets and Marketing Organization.
Principles of Efficiency.
Social Aspects of Business Management.

PROFESSIONAL COURSES IN COMMERCE AND INDUSTRY.

1. **Accounting Principles** (based on Preparatory Bookkeeping). The general theory and technique of accounts is studied in detail; the theory of the asset and liability accounts; the principles of valuation; the principles of cost accounting; functions and content of the balance sheet and the income account. Tuesday and Thursday at 9. Professor Sowers.

Two hours, both semesters.

2. **Cost Accounting.** The value of cost finding; elements of cost; methods of apportioning indirect expenses; compiling the cost data; stores, labor and production records; reports of cost systems in various branches of industry such as printing industry, lumber industry, canning industry, etc. (Not given in 1915-16.)

3. **Auditing and C. P. A. Course.** A survey of auditing procedure; kinds of audit and their object; devices for the detection and prevention of fraud; methods of an audit; audit reports.

4. **Study of Accounting Problems and Their Solutions.** Previously given in C. P. A. examinations. (Not given in 1915-16.)

5. **Business Organization.** This course deals with the organization of business enteprises; the characteristics and relative advantages of individual proprietorship, partnership or corporation; the principles of organization and management as applied to each function of a business enterprise, such as salesmanship and selling methods, advertising, credits and

collections, handling orders, billing systems, traffic and shipping, etc. The organization and work of industrial and commercial associations. Tuesday and Thursday at 11.

Two hours, first semester.

6. **Industrial Organization.** The principles of organization and management of manufacturing establishments. Factory location; planning of buildings and arrangement of equipment; functional and military types of organization; order department; planning and drafting department; purchasing, receiving and shipping departments; cost departments; wage systems; principles of scientific management. The Taylor System. Tuesday and Thursday at 11.

Two hours, second semester.

7. **Municipal Administration.** A detailed study of the organization and methods of conducting public business in the various departments, such as police, fire, health, public works, and park departments. The principles of city planning. The application of the principles of scientific management to municipal administration. Tuesday and Thursday at 10.

Two hours, first semester.

8. **Municipal Finance and Accounting.** The aim of this course is to give practical training in every phase of municipal accounting and reporting. Considerable attention will be given to budget making. Other topics discussed are purchase records and methods, payrolls, stores control, expense analysis and municipal costs. The double entry system of bookkeeping as applied to municipal accounts is illustrated and explained. The prerequisite for this course is Principles of Accounting, or its equivalent. Tuesday and Thursday at 10.

Two hours, second semester.

9. **A Lecture Course,** in which Director H. B. Miller, of the department of commercial and industrial survey, will alternate with successful business men. Mr. Miller will deal with phases of foreign and domestic commerce and the business men with the special manufacturing, industrial, agricultural or commerce line represented by each. Thursdays at 2.

One hour, both semesters.

10. **Economic Geography.** The course in Economic Geography given by the Department of Geology aims to treat the

science of Geography in the broadest possible manner, covering in subject under the following main heads:

1. General principles. General survey of the world from geologic and geographic standpoint.

2. The geography of various important articles of commerce, as coal, oil, wheat, timber, textiles, etc.

3. A survey of the resources of Oregon with special reference to economic minerals, raw materials, preparation for market, markets, cost effect on life of the people, etc.

4. The kindred and subsidiary sciences of geology, ethnology, philology, economics, etc., are freely drawn upon in these studies.

COURSE IN BUSINESS MANAGEMENT.

The course in Business Management is intended for students who wish a general knowledge of modern business organization and methods and their relation to the public welfare, without specializing in the details of any particular business.

FRESHMAN YEAR.

First Semester.		Second Semester.	
English	3	English	3
Modern Language	5	Modern Language	5
History or Literature	3	History or Literature	3
Laboratory Natural Science	3	Laboratory Natural Science	3
Economic and Social History of England	2	Economic and Social History of the United States	2

SOPHOMORE YEAR.

Principles of Economics	3	Principles of Economics	3
Modern Language	4	Modern Language	4
Principles of Accounting (based on Preparatory Bookkeeping)	2	Principles of Accounting	2
Political Institutions (Political Science)	3	Political Institutions (Political Science)	3
Suggested Electives.		*Suggested Electives.*	
History.		History	
English.		English.	
Economics, Geography.		Mathematical Theory of Instruments.	
Elements of Statistics.		Economic Geography.	

JUNIOR YEAR.

Business Organization	2	Industrial Organization	2
Cost Accounting	2	Auditing and C. P. A. Course	3
Commercial Law (Pol. Sci.)	3	Sociology	3
Money and Banking	2	Money, Banking and Crises	2
Domestic Commerce	3	Foreign Commerce	3
Sociology	3		

SENIOR YEAR.

Resources of the Northwest	2	Corporation Management and Combinations	3
Transportation	3	Laboratory Work in Management or Field Work and Thesis	5
Labor Problem	2	Electives	7
Laboratory Work in Management or Field Work and Thesis	5		
Electives	3		

COURSE IN ACCOUNTING.

The course in Accounting is designed for students who are preparing themselves for positions as accountants, auditors, efficiency engineers, systematizers and office managers.

The work in the freshman and sophomore years is the same as in the business management course.

JUNIOR YEAR.

First Semester.		Second Semester.	
Business Organization	2	Industrial Organization	2
Cost Accounting	2	Auditing and C. P. A. Course	2
Sociology	3	Sociology	3
Money and Banking	2	Money, Banking and Crises	2
Electives	6	Electives	6

SENIOR YEAR.

Transportation	3	Corporation Management and Combinations	3
Public Finance	3	Public Finance	3
Applied Accounting	2	Accounting	2
Electives	7	Electives	7

COURSE IN BANKING.

The work of the freshman and sophomore years in Banking is the same as in the course in Business Management, but students must take Advanced Algebra, which is a prerequisite for the mathematics of investment.

JUNIOR YEAR.

First Semester.		Second Semester.	
Public Finance	3	Public Finance	3
Money and Banking	2	Money, Banking and Crises	2
Domestic Commerce	3	Foreign Commerce	3
Electives	7	Competitive Management and Combinations	3
		Electives	4

SENIOR YEAR.

Practical Banking	2	The Money Market	2
Sociology	3	Sociology	3
Applied Accounting	2	Accounting	2
Commercial Law (Pol. Sci.)	3	Electives	8
Electives	5		

COURSE FOR COMMERCIAL AND CIVIC SECRETARIES.

This course is intended for students who intend to take service with chambers of commerce, commercial clubs and civic organizations. The work for the freshmen and sophomore years is the same as in the course for Business Management.

JUNIOR YEAR.

First Semester.		Second Semester.	
Municipal Administration	2	Municipal Finance and	
Sociology	3	Accounting	2
Public Finance*	3	Sociology	3
Commercial Law (Pol. Sci.)	3	Public Finance	3
Electives	4	Electives	7

SENIOR YEAR.

Domestic Commerce	3	Foreign Commerce	3
Labor Problem	2	Corporation Management and	
Constitutional Law	3	Combinations	3
Transportation	3	Law of Officers	3
Electives	4	Electives	6

COURSE FOR CONSULAR SERVICE AND COMMERCIAL AGENCY.

JUNIOR YEAR.

First Semester.		Second Semester.	
Money and Banking	2	Money, Banking and Crises	2
Domestic Commerce	3	Foreign Commerce	3
Transportation	3	Corporation Management and	
Commercial Law (Pol. Sci.)	3	Combinations	3
Electives	4	Law of Officers	3
		Electives	4

SENIOR YEAR.

Labor Problem	2	Organization of Foreign	
Organization of Domestic		Commerce	3
Commerce	3	The Money Market	2
South American Trade and		Oriental Trade and Industry	2
Industry	2	Sociology	3
Sociology	3	Electives	5
Electives	5		

COURSE FOR COMMERCIAL TEACHERS.

This course contains the fifteen hours in Education required for high school teachers.

SOPHOMORE YEAR.

First Semester.		Second Semester.	
Principles of Economics	3	Principles of Economics	3
Modern Language	4	Modern Language	4
Principles of Accounting, based on Preparatory Bookkeeping	2	Principles of Accounting, based on Preparatory Bookkeeping	2
Political Institutions (Political Science)	3	Political Institutions (Political Science)	3
Principles of Education	2	History of Education	2

JUNIOR YEAR.

Business Organization	2	Industrial Organization	2
Cost Accounting	2	Auditing and C. P. A. Course	3
Commercial Law (Pol. Sci.)	3	Sociology	3
Sociology	3	School Administration	3
Secondary Education	3	Foreign Commerce	3
Domestic Commerce	3		

SENIOR YEAR.

Resources of the Northwest	2	Corporation Management and Combinations	3
Transportation	3	Laboratory Work in Management or Field Work and Thesis	5
Labor Problem	2	Practice Work	5
Laboratory Work in Management or Field Work and Thesis	5	Elective	2
School Observation and Management	2		

II. GRADUATE DEPARTMENT—COURSES AND ACTIVITIES.

A.—Function.

The preliminary, but also foundational and continuing, phase of the graduate work in the School of Commerce and Administration will be concerned with ascertaining the actual facts pertaining to industrial and commercial conditions in Oregon. Such surveys and investigations will serve as the indispensable means for determining and defining the distinctive problems of progress here. The largest cooperation with Federal departments is planned for best use of materials, experts and methods available. The prime function of the graduate activities of this school is to effect readjustments

and constructive improvements so that each of the great lines of production and distribution represented in Oregon may be carried on with the highest degree of economy and efficiency.

The following characteristics of the natural resources, population and productions of Oregon conspire to make valuable expert investigations, analyses and counsel, in which the effective scientific methods are utilized:

1. Great diversity of resources.

2. Conditions and people that are capable of producing commodities of highest grades and of greatest specific value, and which, consequently, largely escape the limiting influence of competition but appeal to the strongest demand the world over.

3. The marketing problems because of the above conditions call for highest organization and most skillful application of statistical data.

4. The facts of the almost unparalleled water power resources, strategic position for assembling materials of a great variety of manufactures and for distributing the finished products, call urgently for constructive investigations, not only in the interest of economic development, but especially in the interest of conservation of national resources of fuel and power supplies.

5. The type of social and economic organization of a people with such water power and industrial resources will inevitably be of highest complexity and the problems then will develop exceedingly intricate—in strongest contrast, for instance, with the type that the combination of resources in Denmark make normal for that country.

6. A higher degree and type of cooperation and federation can be used to advantage as the development of Oregon proceeds than will be effective in almost any other region and among any other people.

7. The above combination of characteristics of the field for the University School of Commerce and Administration, together with the fact that development here has just begun and the consequent plasticity inherent in the Oregon situation will make every additional guiding and molding influence, like a graduate School of Commerce and Administration, of multiplied efficacy.

Field work will be organized under expert, practical directors, using talented graduate students to conduct surveys, prosecute comparative studies, and to apply exact scientific methods in analyzing actual industrial and commercial conditions so as to make everyday business and administration in Oregon approximate as nearly as possible to applied science.

B.—Organization of Graduate Work.

The courses of the graduate department will be arranged on the plan of a two years' course leading to the degree of Master in Business Administration. The work of the first year will be taken up with such advanced courses as will give special preparation for the business career the student proposes to enter. The second-year student will be expected to prepare a thesis dealing with some concrete problem in the business which he plans to enter and embodying results and conclusions derived from his original investigations of actual business conditions.

The courses elected by the advanced student must be approved as best re-enforcing his preparation for the investigation he is pursuing.

Students who did not include in their undergraduate work the absolutely prerequisite courses in economics and accounting will be required to make up the deficiency at the beginning of their work. Courses giving knowledge of the industrial and financial phenomena of modern times will also be quite indispensable.

A command of good English and a reading knowledge of one modern language are included as essential for satisfactory work.

Students without the undergraduate training in Commerce and Administration must select the following three courses as part of their first year's work:

Principles of Accounting.
Commercial Contracts and Agency.
Business Organization.

SCHOOL OF LAW.

The establishment of a complete Law School at Eugene, with its full three-year course to begin with the fall of 1915, has now been authorized by the Board of Regents of the University. Henceforth this will be the regular law school of the University, and will now take its position on the campus, along with other departments, as a graduate school.

In view of the impossibility of preparing a full statement in the short time left before the appearance of the General Catalogue of 1915-1916, all those who may desire full information about the new school are hereby referred to the special Catalogue of the Law School, which will be issued separately before June of this year, and may be obtained from the office of the Registrar of the University on application.

Only the following information of immediate importance can be here given:

REQUIREMENTS FOR ADMISSION.

Only those students who have successfully completed the first two years of their college or university work shall be permitted to enter the Law School. As a rare exception to the foregoing rule men of mature years and of unusual ability and experience may, in the discretion of the Dean of the Law School, be admitted as Special Students.

TUITION.

The incidental fee of $10.00 and the Student Body fee of $8.00 are payable by all students in the University. In addition, all students in the School of Law pay a tuition fee of $15.00 each semester, regardless of the number of courses taken. The diploma fee is $10.

COURSES OF INSTRUCTION.

The following courses, subject to the right of slight modification or omission, are offered for the year 1915-1916:

First Year.

1. **Contracts.** Formation of simple contracts; mutual assent; consideration; formation of contracts under seal; delivery; consideration. Parties affected by contracts; contracts for the

benefit of third persons; assignment of contracts; joint obligations. The Statute of Frauds; contracts within the Statute: guarantees, agreements in consideration of marriage, contracts for the sale of land, agreements not to be performed within a year, contracts for the sale of goods; satisfaction of the Statute. Performance of contracts: express conditions, conditions precedent and subsequent; implied conditions and effect of plaintiff's failure to perform his promise; impossibility. Illegal contracts: contracts in restraint of trade; wagers and gaming contracts; contracts obstructing the administration of justice; contracts tending to corruption. Discharge of contracts: parol agreement to discharge; novation; release; accord and satisfaction; arbitration and award; surrender and cancellation; alteration; merger. Williston, Cases on Contracts (2 vols.). Professor Hope. *Three hours, both semesters.*

2. **Criminal Law and Procedure.** Nature of crime; sources of criminal law; mental element in crime; intent and motive; parties in crime; crime as an act; attempts; specific crimes; crimes against the person; crimes against the dwelling house; felonious intent; jurisdiction. Beale, Cases on Criminal Law (2d ed.). Professor ———. *Two hours, both semesters.*

3. **Torts.** Trespass to person, to real property, and to personal property; excuse for trespass; conversion; legal cause; negligence; contributory and imputed negligence; plaintiff's illegal conduct as a defense; duties of land owners; hazardous occupations; liability for animals; deceit; defamation, slander, libel, privilege, malice; malicious prosecution, criminal and civil; interference with social and business relations, including breaches of duty, fair and unfair competition, strikes, boycotts, business combinations. Ames and Smith, Cases on Torts (ed. 1909-1910). Professor ———.

Three and two hours, both semesters.

4. **Introduction to Property.** Distinction between real and personal property; acquisition of rights in personal property; gifts; bailments; liens; pledges. Real property; tenures; estates, seizin and conveyance; incidents of ownership in real property; fixtures; easements; covenants as to use; public rights; franchises; rents. Gray, Cases on Property, vols. 1, 2 (2d ed.). Professor Hope. *Three hours, both semesters.*

5. **Persons and Domestic Relations.** Marriage: consent and capacity; marriage as a contract or relation; rights and duties; rights in property; contracts, conveyances, quasi-contractual obligations; wife's estates; ante-nuptial and post-nuptial settlements; separation and divorce. Parent and child: legitimacy, adoption, custody, support, earnings of child; liability for child's torts. Guardian and ward: selection and appointment of guardians; jurisdiction to appoint; rights, duties and liabilities of guardian; maintenance of ward; domicile; care of property and investments; guardians' bonds. Infants: period of infancy; privileges and disabilities; contracts; liabilities for necessaries; ratification and disaffirmance of contracts. Persons non compos mentis, and aliens. Master and servant: creation and termination of the relation; remedies for breach of contract; rights and duties inter se; master's liability for injuries to servant; negligence and assumption of risk. Kales, Cases on Persons, and Vernier, Cases on Marriage and Divorce. (Not given 1915-1916.) Professor ———. *Three hours, first semester.*

6. **Common Law Pleading and Procedure.** This course consists of a general survey of the principles of common law pleading with special emphasis upon the demurrer, confession and avoidance, and the traverse, followed by a special study of the more common forms of actions, including the necessary obligations therein, and the methods of pleading defenses. Whittier, Cases on Common Law Pleading. Professor Hope. *Three hours, first semester.*

7. **Agency.** Nature of relation; appointment; liabilities of principal for agent's torts, contracts, crimes; liabilities of agent; parties to writings; undisclosed principal doctrines; delegation of agency, termination; ratification. Huffcut, Cases on the Law of Agency (2d ed.). Professor Hope. *Two hours, both semesters.*

8. **Partnership.** Nature of a partnership, its purposes, and members; creation of partnership; nature of partner's interest; firm name and good-will; mutual rights and duties of partners; actions between partners, at law and in equity; powers of partners; liability for acts of partners in contract

and tort; general liability of partners; dissolution and notice; consequence of dissolution; dissolution agreements respecting debts; distribution of assets to creditors and between partners; limited partnerships. Ames, Cases on Partnership. (Not given 1915-1916.) Professor ———.

Three hours, second semester.

SECOND YEAR.

9. **Equity Jurisdiction.** The origin, development, maxims, principles and doctrines of equity; relation between equitable rights and powers and legal rights and powers; jurisdiction, procedure and remedies of courts of equity; the equitable relations and remedies involved in obligations ex contractu and obligations ex delicto considered with respect to their interplay with the corresponding legal relations and remedies; specific performance of contracts, with emphasis on the special trust relations arising under executory contracts between vendors and purchasers of realty; specific prevention and reparation of torts; prohibitory and mandatory injunctions for such torts as waste, trespass, nuisance, infringement of patents and copyrights, interferences with business relations, violations, violation of rights of privacy; interpleader, bills of peace, etc.—special equitable remedies, including: cancellation of contract; clouds on title; perpetuation of testimony; rights of future enjoyment; reformation and rescission of contract; mistake, fraud, misrepresentation, duress and undue influence. Ames, Cases in Equity Jurisdiction, vols. 1, 2. Professor ———. *Three hours, both semesters.*

10. **Evidence.** Respective functions of judge and jury; "law and fact"; presumptions; burden of proof; judicial notice; classification of evidence; relevancy as primary test of admissibility; principles and rules relating to the following: misleading or unimportant matters, character, admissions, confession, hearsay, witnesses' opinion and expert testimony, real evidence, evidence relating to execution, contents and interpretation of writing; various rules of substantive law stated in terms of "parol evidence rule"; competency of witnesses; privilege of witnesses; examination of witnesses. Wigmore, Select Cases on Evidence (2d ed.). Professor Hope.

Three and two hours, both semesters.

11. **Sales of Personal Property.** Subject matter of sale; executory and executed sales; bills of lading and jus disponendi; seller's lien and right of stoppage in transitu; fraud; factors acts; warranty and remedies for breach of warranty; statute of frauds. Woodward, Cases on Sales. Professor Hope.

Two hours, both semesters.

12. **Bailments and Carriers.** Bailments in general including for hire, for services to be performed, and for hired use. Special classes of bailments involving ordinary liability; pledges, warehousemen. Special classes of bailments involving exceptional liability; innkeepers; common carriers of goods; common carriers of passengers. McClain, Cases on Carriers. (Not given 1915-1916.) Professor Hope.

Three hours, second semester.

13. **Bills and Notes.** This course deals with negotiable paper of all types. The law of checks, bills of exchange and notes is taken up, with a detailed discussion of: formal requisites; acceptance; indorsement; transfer; extinguishment; obligation of parties; diligence; specialty character; the effect of the negotiable instruments. law. Ames, Cases on Bills and Notes. Professor ———. *Four hours, second semester.*

14. **Property.** Nature and importance of legal possession; remedies to recover legal possession wrongfully withheld; effect of statutes of limitations; tacking of successive periods of adverse possession; "constructive" adverse possession under color of title; intent as element of title to legal possession; possession through occupation of a servant or agent; possession through occupation of a tenant; relationship of landlord and tenant compared with rights and liberties of persons in various other relations; possession through a co-tenant's occupation; exceptions and interruptions to running of statutes of limitations. Creation of relationship of landlord and tenant; duration of tenant's interest; eviction and its effects; remedies of landlord for non-performance of tenant's obligations; remedies of tenant against landlord; covenants running with the land between landlord and tenant; rights, liberties, and duties of landlord with respect to third persons; rights, liberties,

and duties of tenant with respect to third persons. Gray, Cases on Property, vol. 3 (2d ed.). Professor Hope.

Three hours, first semester.

15. **Wills and Administration.** Acquisition of property on the death of former owner, escheat, descent, occupancy, gifts causa mortis; the making, revocation, and republication of wills, payment of legacies and distribution, ademption and lapse of legacies. Prerequisite: Courses 4 and 14. Gray, Cases on Property, vol. 4 (2d ed.). Professor Hope.

Three hours, second semester.

16. **Damages.** Respective functions of court and jury in estimating damages; exemplary, liquidated, nominal, direct, and consequential damages; avoidable consequences; counsel fees; certainty, compensation, damages for non-pecuniary injuries; value; interest; and damages in certain actions of tort and contract. Beale, Cases on Damages. Professor ———.

Two hours, second semester.

17. **Insurance.** A general survey of insurance law, life, accident, fire, and marine insurance, with respect to: insurable interest; concealment; misrepresentation; warranties; other causes of invalidity of contract; amount of recovery; subrogation; conditions; waiver, estoppel, election, and powers of agents; assignees and beneficiaries. Under marine and fire insurance will be included a thorough consideration of the doctrine of general average, and the standard fire policy generally adopted in the United States. Wambaugh, Cases on Insurance. (Given in alternate years only; omitted 1915-1916.) Professor ———. *Two hours, first semester.*

18. **Bankruptcy and Insolvency.** This course aims to give a complete exposition of the rights of creditors against insolvent debtors, and the means that may be resorted to in order to make those rights effective, and includes a consideration of insolvent assignments and conveyances in fraud of creditors as well as the study of the National Bankrupt Act of 1898 and its predecessors. Williston, Cases on Bankruptcy. (Given only in alternate years; omitted in 1915-1916. Professor ———.

Two hours, first semester.

THIRD YEAR.

19. **Conflict of Laws.** Within the limits of the subject, a comparison is made of theories and practice in different jurisdictions, both in civil matters and in criminal; and attention is given to the special aspects of interstate law in the United States. Beale, Cases on the Conflict of Laws. (Omitted in 1915-1916.) Professor ——— *Three hours, first semester.*

20. **Constitutional Law.** Nature of the Federal constitution and its amendments, relation of the states to the Federal government, the departments of government, taxation, regulation of commerce, naturalization, bankruptcy, currency, etc., the powers of the executive, the judiciary and the jurisdiction of the Federal courts, civil rights and their guarantees, political privileges, and protection of contracts and property. Boyd, Cases on Constitutional Law, and selected cases. Professor Barnett. *Three hours, second semester.*

21. **International Law.** This course treats of the general principles of international law, as it has been developed by positive agreement, in the form of treaties and conventions, and by common usage, as shown in legislation, in the decisions of international tribunals and of municipal courts, and in the conduct of nations. Scott, Cases on International Law. Professor Barnett. *Three hours, first semester.*

22. **Administrative Law—Public Officers.** A consideration of the subject of judicial control over administrative action in the United States. Among the topics treated are the distinction between executive, judicial and legislative functions, conclusiveness of administrative determinations, administrative execution, and proceedings for relief against the actions of administrative officers, including actions for damages and actions for specific relief such as the writs of mandamus, quo warranto, certiorari, habeas corpus, and prohibition. Goodnow, Cases on the Law of Officers. Professor Barnett. *Three hours, second semester.*

NOTE—The three courses numbered above as 20, 21, 22 belong to the Department of Political Science also, and are to be found in the announcements of that department, where they are numbered 4, 5 and 6 respectively.

23. **Corporations, Private.** A general survey of the nature, powers, and obligations of private corporations, with a consideration of the rights and duties of promoters, officers, directors, and stockholders, and of the rights of creditors and others against the corporation. The manner of creating, managing, and dissolving corporations, the nature of corporate stock, the effect of ultra vires acts, the power of corporations to purchase shares of stock or to consolidate with other corporations, and the power of Congress and of the Legislature to regulate and control the acts of corporations are among the topics treated. Canfield and Wormser, Cases on Corporations. Professor Hope. *Four hours, first semester.*

24. **Corporations, Municipal.** General nature; creation; alteration, dissolution; legislative control; internal organization; powers: general, legislative, police, taxation, contracts, property; liability: contracts, quasi-contracts, torts in general, negligence in performance of various functions; enforcement of judgments against. Beale, Cases on Municipal Corporations. (Omitted in 1915-1916.) Professor ———. *Two hours, second semester.*

25. **Property.** During the first semester conditional and future interests are dealt with including reversions and remainders, executory devises, powers and the rule against perpetuities. During the second semester illegal conditions and restraints on alienation, etc. Prerequisites to this course are courses numbered 4, 14 and 15. Gray, Cases on Property, vols. 5, 6 (2d ed.). (Not given in 1915-1916.) Professor Hope. *Three hours, both semesters.*

26. **Trusts.** Nature and requisites of a trust; express, resulting, and constructive trusts; charitable trusts; appointment and office of trustee; nature of cestui's interest; transfer of trust property by trustee or by cestui; cestui's interest as affected by death, marriage, or bankruptcy of trustee or cestui; duties of trustee; extinguishment of trust; removal or resignation of trustee; accounting. Ames, Cases on Trusts. Professor ———. *Four hours, second semester.*

27. **Code Pleading.** Actions and special proceedings; the complaint, including necessary allegations, method of statement, and prayer for relief; answers, including general and special denials, new matter, equitable defenses, counter-claims, and union of defenses; replies; demurrers. Course 6 is a prerequisite. Sunderland, Cases on Code Pleading. Professor Hope. *Four hours, first semester.*

28. **Quasi-Contracts.** Under the head of quasi or constructive contracts is embraced all that very large class of obligations which, while not contractual in fact, are enforced as if they were so. They constitute largely that great mass of obligations for the enforcement of which the action of assumpsit was devised. The course includes such topics as the payment of money by mistake, duress, or fraud, and the waiver of tort. Woodruff, Cases on Quasi-Contracts. (Not given in 1915-1916.) Professor ———. *Two hours, first semester.*

29. **Suretyship.** Nature of the contract of suretyship; surety's defenses against the creditor, based upon absence, extinguishment, or suspension of the liability of the principal debtor, or upon principal debtor's right of set-off or counter-claim against the creditor; surrender or loss of securities by creditor; variation of surety's risk; surety's rights; subrogation to the rights of the creditor; indemnity; contribution; exoneration; creditor's rights to surety's securities. Ames, Cases on Suretyship. (Not given in 1915-1916.) Professor ———. *Two hours, second semester.*

For the next two academic years of 1915-16 and 1916-17 the graduates of the night Law School in Portland will continue to be granted degrees in law by the University, but except for this privilege extended to its present enrollment, all connection and relationship between that school and the University of Oregon will cease and terminate in June of 1915.

SCHOOL OF EDUCATION.

FACULTY.

P. L. Campbell, A. B., LL. D., President of the University.

Henry Davidson Sheldon, Dean, Professor History of Education.

Fred Carleton Ayer, M. S., Professor of Education.

Hugo Bezdek, B. A., Director of Men's Sports.

John Freeman Bovard, M. S., Professor of Zoology.

William Pingry Boynton, Ph. D., Professor of Physics.

R. W. Broecker, B. A., Instructor in Education.

Robert Carlton Clark, Ph. D., Professor of History.

Timothy Cloran, Ph. D., Professor of Romance Languages.

Edmund S. Conklin, Ph. D., Professor of Psychology.

Edgar Ezekiel DeCou, M. S., Professor of Mathematics.

M. H. Douglass, M. A., Librarian and Instructor in Library Administration.

James Henry Gilbert, Ph. D., Professor of Economics.

Herbert Crombie Howe, B. A., Professor of Modern English Literature.

R. H. Lyman, B. A., Dean of the School of Music.

Rose Powell, Instructor in Public School Methods in Music.

George Rebec, Ph. D., Professor of Philosophy.

Archibald F. Reddie, B. A., Professor of Public Speaking.

Joseph Schafer, Ph. D., Professor of History.

Frederick Georg G. Schmidt, Ph. D., Professor of German.

Warren D. Smith, Professor of Geology.

Orin Fletcher Stafford, B. A., Professor of Chemistry.

Frederic L. Stetson, M. A., Assistant Professor of Education.

John Straub, Litt. D., Professor of Greek.

Bertha Stuart, M. D., Director of Women's Physical Training.

Albert Raddin Sweetser, M. A., Professor of Botany.

W. F. G. Thacher, M. A., Professor of Rhetoric.

Frederick George Young, B. A., Professor of Economics and Sociology.

ORGANIZATION.

The School of Education of the University of Oregon was authorized by the Board of Regents in February, 1910. The general purpose of the school is to organize and correlate all the forces of the University which have for their ultimate aim the growth of educational efficiency in the State of Oregon. This work is done through the effective grouping of courses for teachers in the regular college curriculum, through the Summer School, the Correspondence School, and through investigation of questions of importance to the State and publication of results in bulletin form.

Courses in Observation and Practice-Teaching have been organized in connection with secondary courses given at the University, and by special arrangement with the Eugene and Springfield city secondary schools. The present arrangement provides for approximately sixty teachers annually.

EQUIPMENT.

The equipment available for students in the School of Education consists of the following:

1. Collection of late eighteenth and early nineteenth century text-books, 100 volumes.
2. Collection of contemporary texts, elementary and high school, 800 volumes.
3. Collection of State, city school reports, college and other catalogues, 1,200 volumes.
4. Collection of sources of educational history 1815-1850, 200 volumes.
5. Collection of contemporary and recent periodical literature, including fifty educational journals.
6. Special set of physical and psychical apparatus for purposes of examination of exceptional children in the educational clinic.

ADMISSION TO SCHOOL OF EDUCATION.

The requirements for admission to the School of Education are the same as those for admission to the College of Literature, Science, and the Arts, viz: fifteen units, representing completion of a four years' high school course. Persons more

than twenty years of age and properly qualified may enter the University as special students without complying with the above requirement, but no such student may be a candidate for a degree or University teacher's certificate until all entrance deficiencies are made up.

GRADUATION.

The degree Bachelor of Arts is conferred upon students of the School of Education who have secured 120 hours of college credit, exclusive of twelve semester hours required in physical training and including work required by the major professor.

CERTIFICATES ON GRADUATION.

Graduates from the School of Education are entitled to teaching certificates as provided in the following Oregon school law:

Certificates shall be issued to graduates from standard colleges or universities who have completed one hundred and twenty (120) semester hours, including fifteen (15) semester hours in education as follows:

1. One-year State certificates shall be issued without examination, upon application, to such graduates of standard colleges and universities, authorizing them to teach only in the high schools of this State.

2. The holder of a one-year State certificate, issued in accordance with the provisions of this section shall, after six months' successful teaching experience in this State and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a five-year State certificate authorizing him to teach only in the high schools of this State.

3. The holder of a five-year State certificate issued in accordance with the provisions of this section shall, after thirty months' successful teaching experience in this State and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a State life certificate authorizing him to teach only in the high schools of this State.

4. The holder of a one-year State certificate, or a five-year State certificate, or a life State certificate, secured in accord-

ance with the provisions of this section is hereby authorized to act as a city superintendent of schools of any city.

Fees are as follows, payable to the State Superintendent of Public Instruction:

One-year certificate $1.00
Five-year certificate (after six months' teaching) 2.00

GRADUATE DEPARTMENT OF EDUCATION.

This department is a department of the Graduate School of Arts and Science, and as such offers courses leading to the degree of Master of Arts and Master of Science. The advanced courses in Education aim to meet the needs of three classes of students: First, those who are preparing to give courses in the history and principles of Education in colleges and normal schools; second, those who are preparing to become supervisors and administrators in various types of schools; third, students in various departments of the University, who, in addition to the courses in the subject-matter which they intend to teach, wish to become acquainted with the principles underlying all educational organization and method. The last-mentioned class of students may take Education as a minor subject. Graduate students who have had no courses in Education but wish to complete the 15 hours required for the State certificate should register in the undergraduate courses.

TEACHERS' APPOINTMENT BUREAU.

The School of Education maintains a bureau for the registration of academic and professional records of Oregon alumni and recommends candidates for vacancies. In recent years the bureau has located many teachers and has had many positions to fill for which suitable candidates could not be found. This is particularly true of positions calling for men. The bureau aims to assist alumni of the University of Oregon only, and charges no fee for its services. All principals or school boards desiring teachers are requested to correspond with the Appointment Bureau. Seniors or alumni who desire to register with the bureau should apply to the Registrar for the sheet of preliminary instructions. The recommendation of the bureau will be limited to candidates who have taken courses as prescribed by the faculty of the School of Education.

SUMMER SCHOOL.

Beginning in the latter part of June of each year, the University conducts a summer school of six weeks in length, the chief aim of which is to furnish the superintendents, principals, and teachers of the State the courses needful in their work. Special lecturers of eminence are secured to keep the work fully abreast of the times. Bulletins fully describing the work of the summer school will be mailed to all those who apply.

CORRESPONDENCE COURSES.

The University operates a correspondence school which enables energetic principals and teachers at a distance from the University to carry on studies under the direct supervision of the University departments. A circular containing the details of this division will be sent on application to the Correspondence-Study Department.

COURSES OF INSTRUCTION.

I. Introductory Courses.

(Open to anyone with teaching experience, and to all others except first-year students).

1. **Principles of Education.**
   Two hours, repeated each semester.
2. **History of Modern Education.**
   Two hours, repeated each semester.

II. Courses for Juniors and Seniors.

3. **Pedagogical Psychology.** *Three hours, first semester.*
4. **Genetic Psychology.** *Three hours, second semester.*
5. **Secondary Education.**
7. **Observation of Teaching.**
   Two hours, repeated each semester.

III. Courses for Seniors and Advanced Students.

(These courses may be taken for graduate credit. Certain prerequisites are necessary for registration.)

8. **School Administration.** *Three hours, first semester.*

9. **Curriculum.** *Three hours, second semester.*

11. **Library Methods and Periodical Literature of Education.** *Two hours, second semester.*

12. **Practice Teaching.** Courses 1, 2, 3 or 4, 5 and 7. *Three to five hours, repeated each semester.*

IV. Graduate Courses of Instruction.

15. **Experimental Education.** *Three hours, both semesters.*

16. **Philosophy of Education.** *Three hours, both semesters.*

17. **Clinical Child Psychology.** *Three hours, second semester.*

18. **History of Ancient and Mediaeval Education.** *Three hours, one semester.*

19. **History of Education in England from the Sixteenth Century.** Not given 1915-16.

20. **History of Education in Germany from the Sixteenth Century.** *Three hours, first semester.*

21. **History of Education in America.** *Three hours, second semester.*

22. **Education Club.** *Two hours, each semester.*

V. Courses in Methodology Offfered by the Different Departments.

(Credit in Education as part of the fifteen hours required for a teacher's certificate may be gained, to the extent of four semester hours, in courses in this group. The courses are primarily concerned with the teaching of the various subjects.)

Botany 12, one hour a week, one semester.
English 63, one hour a week, both semesters.
German 11, two hours a week, second semester.
Geology 11, one hour a week, one semester.
History, one hour a week, one semester.
Journalism 4, one hour a week, one semester.
Latin, two hours a week, one semester.
Mathematics 7-8, one hour a week, both semesters.
Physics 15, two hours a week, one semester.
Music, two hours a week, two semesters.
Physiology, one hour a week, one semester.

Drawing, two hours a week, one semester.

Romance Language 12, two hours a week, second semester.

Theory and Coaching of High School Sports, two hours a week, two semesters.

See also special courses in physical training and athletic sports.

VI. Related Courses of Instruction.

The attention of students of education is directed to the courses listed under the departments of Psychology, Philosophy, and Sociology, many of which are directly related to the content of education.

SPECIAL COURSES OF STUDY.

The School of Education by means of professional training in the Department of Education and academic instruction in the respective University departments is prepared to train the following classes of teachers. For detailed courses consult the following pages:

1. High school and grammar school departmental teachers.
2. Superintendents, principals, teachers of normal training.
3. Special supervisors of music, art, physical training, athletic sports, and public speaking.

1. Course of Study for High School Teachers.

Students expecting to teach in the high school should take Education 1 and 2, 3 or 4, 5. Observation and Practice Teaching, two or three courses in Group V (special methods), and one or two of the departmental academic courses listed below:

Courses Required by Departments.

The following list of the courses of study necessary to equip teachers in the different high school subjects represents the irreducible minimum which the department in question considers necessary to insure superior teaching. Under the ordinary conditions no student will be recommended for a position in a department of a large high school who has not carried successfully in his college course all the work outlined. Exceptions may be made of small high schools where the

candidate must of necessity teach a large variety of subjects. In schools of this class where the faculty is limited to three teachers or less, students will be recommended upon the successful completion of shorter courses in the subject to be taught. In foreign languages students, to secure recommendations, must have taken at least four years' work, of which two years must have been completed in a college or university.

It is advisable for students to fit themselves for teaching more than one subject. While the demand for teachers in the different subjects fluctuates from year to year, there is at present a particularly strong demand for men capable of teaching one department and acting as physical director. Ability to supervise music, athletics, or public speaking, adds materially to the chances for securing a first-class position. Various combinations of subjects are asked for, but the majority of calls are for teachers of two or more adjacent subjects as arranged in the following group: German, Latin, English, History, Civics, Mathematics, Science (i. e., physics, biology, physiology, chemistry, physiography), Manual Training, Commercial subjects.

Required Departmental Courses.

Botany. Elementary Botany 1 and 2, four hours, both semesters, freshman and sophomore year.

Structural Botany 3 and 4, three hours, both semesters, sophomore or junior year.

General Biology 9, two hours, both semesters, junior or senior year.

Chemistry. General Chemistry 1, four hours, both semesters, freshman year.

Analytical Chemistry 3, four hours, both semesters, sophomore year.

Organic Chemistry 5, three hours, both semesters, junior year.

Teaching of Chemistry, one hour, both semesters, senior year.

English. English Composition 1, three hours, both semesters, freshman year.

Outlines of English Literature 31, 32, three hours, both semesters, Professor Howe, freshman year.

Rhetoric 6, three hours, both semesters, sophomore year.

Additional course in Modern English Literature, three hours, both semesters, sophomore or junior year.

Course in Methods of Teaching English, senior year.

Geology. Elementary Geology, three hours, both semesters, freshman or sophomore year.

Identification of Minerals, two hours, both semesters, sophomore or junior year.

Methods of Teaching Geology and Physical Geography, one hour, second semester, senior year.

German. Elementary German, five hours, both semesters, freshman year.

Advanced German, four hours, both semesters, sophomore year.

German Classical Drama, three hours, both semesters, junior or senior year.

German Fiction and Contemporary Literature, three hours, both semesters; or

The Nineteenth Century Novel, three hours, both semesters, junior or senior year.

The Teaching of German, two hours, one semester, senior year.

History. History of England, three hours, both semesters, freshman year.

Greek and Roman History, three hours, both semesters, sophomore year.

Early American History, three hours, both semesters, sophomore year.

Medieval History, or Modern History, three hours, both semesters, junior year.

Later American History, three hours, both semesters, junior year.

Historiography, two hours, both semesters, senior year.

Methods of Teaching History, senior year.

Latin. A minimum of six years' preparation and as much more as can be obtained in the ordinary college course are requisite for teaching Latin. This would, of course, include

the usual four years of high school or academy Latin, covering the uniform reading in Caesar, Cicero, and Vergil, with supplementary work in Ovid and Sallust and Composition. Four years more are recommended, and, if not four, at least two. The work in these four years is so arranged that a wide range of reading is offered, the instructor reserving the right to vary the program from year to year.

Fifth Year. Cicero's de Senectute, Vergil's Eclogues, a play of Plautus, Horace's Odes, Sallust's Jugurtha, selections from Catullus and Tibullus.

Sixth Year. Horace's Satires and Epistles, a book of Livy, Ovid's Tristia, a play of Terence, selections from Pliny and Martial.

Seventh Year. Roman life from Cicero's Letters and Orations, Roman History from Tacitus and Livy.

Eighth Year. Roman literary criticism from Quintilian and other authors, Roman philosophy from Lucretius and Cicero.

Mathematics. Advanced Algebra, Trigonometry, Analytical Geometry, five hours, both semesters, freshman year.

Differential and Integral Calculus, five hours, both semesters, sophomore year.

Differential Equations, two hours, both semesters, junior or senior year.

Determinants and Theory of Equations, three hours, one semester, junior or senior year.

History and Teaching of Mathematics, one hour, both semesters, senior year.

Physiology. Invertebrate Zoology, three hours, both semesters, freshman or sophomore year.

Elementary Physiology, two hours, first semester.

Nature Study, three hours, second semester.

Physics. The minimum requirement in Physics for a recommendation to teach the subject in connection with other branches in a high school includes the following courses, aggregating 15 semester hours:

3 and 4, General Physics, three recitations and laboratory, one year.

11, Elementary Mechanics, two recitations and laboratory, one semester.

15, History and Teaching of Physics, two semester hours.

16, Physical Technics, two semester hours, including laboratory.

The prospective teacher of Physics needs also the fundamental courses in Mathematics and Chemistry, and should have acquired either in the University or elsewhere a familiarity with the use of common tools and a fairly accurate and extensive knowledge of machinery and its operation, such as steam and gasoline engines, dynamos, motors, telephones, etc., topics of special interest to high school boys.

Those making a specialty of Physics will consult the announcement of the department for other courses adapted to their needs.

Course for Superintendents, Principals, Etc.

Students entering this course should major in Education.

Freshman Year. English Composition, three hours.

Sophomore Year. *Psychology, three hours. *Economics, three hours. Early American History, three hours. Education 1 and 2, two hours.

Junior Year. Genetic Psychology, 3 hours. Secondary Education, three hours. Later American History, three hours. Observation, two hours.

Senior Year. *School Administration—Organization of Curricula, three hours. Practice Teaching, four or five hours. Library Methods, two hours. Sociology, two hours.

A student may combine the above course with one or possibly two of the high school groups and thus prepare himself for some specific department in a high school, besides securing a general training in pedagogy which will be essential to him later on in his career.

Special Course for Music Teachers.

It is within a comparatively short period that the necessity of special training for teachers of music has been realized, though schools affording such opportunities to teachers in other subjects have long been acknowledged as necessary.

*The courses starred may be taken by correspondence.

In recognition of this need, an opportunity will be given teachers to get such training in the School of Music.

The purpose of a normal department is to give the student of music a mental, musical, and technical education that will equip him for teaching, and which will be at the same time invaluable to musicians who wish to have more than a superficial knowledge of their art.

First Year. Music (piano, voice, or violin), two hours. German (Italian for voice), five hours. Literature, three hours. English, three hours. Elocution, one hour. Personal Hygiene, one hour. Physical Training.

Second Year. Music (piano, voice, or violin), two hours. Harmony (preparatory), one hour. German, four hours. English, three hours. Literature, three hours. Elocution, one hour. Physical Training.

Third Year. Music (piano, voice, or violin), two hours. Sight Singing, one hour. Harmony, one hour. History of Music, one hour. Psychology, three hours. French, five hours. Special Methods in Teaching Music, two hours. Physical Training.

Fourth Year. Music (piano, voice, or violin), two hours. Sight Singing, one hour. Education 3 and 4, three hours. Harmony, one hour. History of Music, one hour. Elocution, one hour. Practice Teaching Music, five hours. Physical Training.

Special Course for Teachers of Gymnastics.

Freshman Year. French or German, five hours. English Composition, three hours. Botany, four hours. Public Speaking, one hour. Personal Hygiene.

Sophomore Year. Physics, four hours. French or German (2), four hours. Zoology (1 and 2), three hours. Psychology (1), three hours.

Junior Year. Histology, three hours. Osteology, two hours. Chemistry, four hours. Education (3 and 4), three hours. Bacteriology, two hours. Theory of Gymnastics and Playground, two hours.

Senior Year. First semester: Physiology, four hours. School Hygiene, two hours. Corrective Gymnastics, three hours. Art of Teaching Gymnastics, two hours. Symptomatology, one hour.

Second semester: Physiology, four hours. Sanitary Hygiene, two hours. Special Physiology, three hours. Anthropometry, two hours. Emergencies and Bandages, one hour.

Special Course for Directors of Athletics.

For men who desire the ability of training athletic teams in connection with high school teaching. The course includes: (1), an introduction to the sciences underlying physical activity; (2), a practical study of personal hygiene, first aid to the injured, and prescriptive exercise; (3), a detailed study of the theory, rules, and methods of coaching each of the high school athletic sports, supplemented by practical work on the field, and (4), a professional study of educational theory and practice.

The following courses are offered:

Personal Hygiene, one hour, both semesters.

Theory and Coaching of High School Sports, two hours, both semesters.

The courses will be open to juniors and seniors who are prospective teachers. Successful completion of these courses will entitle students to a recommendation as Director of High School Sports.

SUMMER SCHOOL.

FACULTY.

P. L. CAMPBELL, B. A., LL. D., President of the University.

JOSEPH SCHAFER, Ph. D., Professor of History; Director of the Summer School and Instructor in History.

LEWIS R. ALDERMAN, B. A., Superintendent of City Schools, Portland, Oregon; Lecturer in Education.

ERIC W. ALLEN, Professor of Journalism; Instructor in Journalism.

HUGO BEZDEK, B. A., Assistant Professor of Outdoor Athletics, University of Oregon; Lecturer and Director of Physical Training.

G. A. BRICKER, M. A., Professor of Education, Ohio State University; Lecturer in Sociology.

A. E. CASWELL, Ph. D., Assistant Professor of Physics, University of Oregon; Instructor in Physics.

TIMOTHY CLORAN, Ph. D., Professor of Romance Languages, University of Oregon; Instructor in French and Spanish.

R. C. CLARK, Ph. D., Professor of History, University of Oregon; Instructor in History.

E. P. CUBBERLEY, Ph. D., Professor of Education, Leland Stanford University; Lecturer in Education.

E. E. DECOU, M. S., Professor of Mathematics, University of Oregon; Instructor in Mathematics.

H. PAUL DOUGLASS, D. D., Secretary of American Missionary Society; Lecturer in Philosophy.

M. H. DOUGLASS, M. A., Librarian, University of Oregon; Lecturer on Library Economy for High Schools.

CHARLES R. FRAZIER, M. A., Superintendent of Schools, Everett, Washington; Lecturer in Education.

G. STANLEY HALL, Ph. D., President of Clark University, Worcester, Mass.; Lecturer in Education.

—— ———, Carnegie Foundation; Lecturer on International Polity and International Conciliation.

Mrs. MABLE HOLMES PARSONS, M. A., Professor of English, University of Oregon; Instructor in English Composition.

C. A. Rice, B. A., Assistant Superintendent of Schools, Portland, Oregon; Lecturer in Education.

George Rebec, Ph. D., Professor of Philosophy, University of Oregon; Instructor in Philosophy and Psychology.

F. G. G. Schmidt, Ph. D., Professor of German, University of Oregon; Instructor in German.

Henry D. Sheldon, Ph. D., Dean of School of Education, University of Oregon; Instructor in Education.

O. F. Stafford, M. S., Professor of Chemistry, University of Oregon; Instructor in Chemistry.

F. L. Stetson, M. A., Assistant Professor of Education, University of Oregon; Instructor in Education.

J. Duncan Spaeth, Ph. D., Professor of English, Princeton University; Lecturer in English.

Charles Forster Smith, Ph. D., Professor of Greek, University of Wisconsin; Lecturer in Education.

W. D. Smith, Ph. D., Professor of Geology, University of Oregon; Instructor in Geology.

W. M. Smith, Ph. D., Assistant Professor of Mathematics, University of Oregon; Instructor in Mathematics.

Bertha Stuart, B. A., M. D., Director Women's Gymnasium, University of Oregon; Lecturer and Director of Physical Education of Women.

A. R. Sweetser, M. A., Professor of Botany, University of Oregon; Instructor in Botany.

J. A. Wells, University of Oregon; Assistant in Physics.

F. G. Young, B. A., Professor of Economics and Sociology, University of Oregon; Instructor in Sociology.

GENERAL INFORMATION.

SCHEDULE.

The eleventh annual summer session of the University of Oregon will open Monday, June 28, 1915. Lectures begin on the opening day, at 8 o'clock. The session closes Friday, August 6, 1915.

PURPOSE OF THE SESSION.

The University in offering this six weeks' summer session aims to extend the opportunity of its equipment, library and instructional organization to those persons who have this period open for study, and who, in most cases, are fully employed otherwise during the regular college year.

TO BENEFIT SCHOOL MEN AND WOMEN.

Especially important among those whom the Summer School is designed to help is the great body of public and private school teachers. A custom which is well nigh universal accords to teachers a free time during three or four months of the summer. While this is called vacation, yet the progress in professionalizing the teacher's calling has caused a great change in the earnest teacher's idea of the way to spend the vacation period. Since average members of other professions, and also most business men, limit their vacations to one month or less, the argument that the teacher requires the entire free period for physical recuperation or play becomes untenable. Moreover, it is now well understood that a change of occupation and environment serves recreational ends quite as well as does the complete abandonment of systematic work. A recognition of these facts, coupled with the growing conviction that the summer vacation forms a peculiar opportunity for the teacher to advance his professional equipment and standing, has everywhere given impulse to systematic vacation study which is today crowding the summer schools in all of the recognized centers of learning.

TERMS OF ADMISSION.

The presentation of fifteen credit hours of high school work, which shall include three years of English, two years of Mathematics, and two years of some foreign language, admits to full freshman standing in the University as a regular student, provided such student desires to pursue one of the regular courses of study for the usual number of hours a week. One similarly prepared may have the privilege, within certain restrictions, of selecting special studies and carrying a smaller number of hours than the regular student. Persons of the age of twenty

years or over may enter the University and carry studies for which their previous training prepares them, even though such training be irregular in amount and kind. Such persons are called adult special students.

The matriculation requirements for persons who desire to earn University credit in the Summer School are in general the same as for other sessions of the University. In addition, in view of the special appeal which a summer session makes to a large class of teachers, for whom this is the only opportunity to do some college work, the following slight modification of the rules will be permitted:

Any person who has taught or is authorized to teach a school in this State for the period of one year, under a regular certificate, is entitled to the privileges of the University Summer School whether or not he has attained the adult age of twenty years.

FEES.

The fee for the summer session, irrespective of the number of courses taken, will be ten dollars ($10.00). The fee in laboratory courses will cover only the cost of materials used. But no fee is charged to those coming for a few days to attend the conferences, and such persons are cordially invited to visit any of the work which may be of interest to them.

CREDITS FOR SUMMER SCHOOL WORK.

Candidates for a degree in the University will receive credit for work done in the summer session, provided their work satisfies the department and they pass the examination held at the end of the course in which credit is desired. A total of six semester hours may be allowed for the work of a session. One hour of credit for the assembly lectures may be included in the six, provided the student shall pass a satisfactory examination based on the lectures and on the required reading assigned by the lecturers.

RESIDENCE REQUIREMENT.

By special faculty ruling, three summer terms will be held to satisfy the residence requirement for teachers, with permanent certificates, seeking the bachelor's degree.

REGISTRATION.

Registration must precede entrance upon any part of the work of the summer session. Students should report at the Registrar's office Saturday, June 26, and pay the registration fee. Lectures will begin at 8 o'clock Monday morning. It is important that students be present on the opening day of the session. Students who enter late will find it difficult to make up their work.

ROOM AND BOARD.

Full lists of both boarding and rooming places are kept on file in the Registrar's office and are available for all students. The number of places is large and it is usually best for students to make their selection after reaching Eugene.

The main dining hall at the University Dormitory will be kept open throughout the summer session for the accommodation of Summer School students and board will be furnished both men and women at $4.50 per week.

The University will furnish room and board for both men and women at $5.00 per week, the occupant to furnish blankets, pillow and towels. The linen for the bed will be furnished by the University.

Rooms in private families can be secured from $4.00 to $10.00 per month. A good many rooms for light housekeeping will also be available.

A SUMMER RESORT SCHOOL.

The University of Oregon is exceptionally well located to afford a pleasant place for summer study. Eugene, a town of 13,000 to 15,000 people, is at the head of the Willamette Valley, so situated that there is hardly a day of the summer that is not made delightful by a cool northwest breeze blowing direct from the ocean. The climate, strikingly similar to that of Macinac Island, has already made this institution known east of the Rocky Mountains as one of the most attractive summer resorts on the continent. The University buildings are situated on a natural rise of ground overlooking the city and are surrounded by a beautifully parked campus in which are large numbers of evergreen and deciduous trees, making

a delightfully cool and shaded place for summer work. The Willamette River flows along the campus on the north, and the McKenzie River, flowing from the glaciers of the Three Sisters, is only a short distance away. The race affords an attractive place for canoeing and picnicing. Numerous tennis courts, baseball grounds, etc., all of which are free to students, give ample scope for athletic diversions and for wholesome exercise.

RECREATION.

The social life at the summer session in recent years has been most enjoyable and the effort will be made to render it even more pleasant this year. There will be the customary Summer School party, held early in the session either at the reception room of the dormitory or on the lawn in front of the president's house. In addition to numerous picnics on the race and river, and the continuation of a delightful custom inaugurated two years ago of taking picnic suppers on the University campus, there will be the annual excursions to the McKenzie River and to other points of interest. The tennis courts are free to all and a tennis tournament will be held during the summer session.

THE LECTURE COURSES.

The management of the University Summer School has laid special stress on the public lectures provided for all those in attendance. These lectures, delivered before the general assembly each day of the session at 11 o'clock, have brought Summer School students in touch each year with some of the recognized masters in education, literature, philosophy, history, and science. Illustrative of the quality of the University Summer School lecturers is the list of those who lectured last year. They were: Dr. Adolph A. Berle, of Tufts College, Cambridge, Mass.; Dr. Stockton Axson, of Princeton; Dr. Frederick J. Turner, of Harvard; Dr. Clifton F. Hodge, of Oregon; Dr. W. G. Morgan, of Reed College; Superintendent L. R. Alderman, of Portland; Dr. George Rebec, of Oregon; and Dr. Henry D. Sheldon, of Oregon.

CORRESPONDENCE-STUDY DEPARTMENT.

FACULTY.

PRINCE L. CAMPBELL, B. A., LL. D., President of the University.

JOSEPH SCHAFER, Ph. D., Professor of History and Director of the Extension Division.

MOZELLE HAIR, B. A., Secretary of the Extension Division.

PERCY PAGET ADAMS, B. S., Professor of Graphics.

ERIC W. ALLEN, B. A., Professor of Journalism.

FRED CARLETON AYER, M. S., Professor of Education.

CECILIA SMITH BELL, B. A., Assistant Instructor in English Literature.

JOHN FREEMAN BOVARD, M. S., Professor of Zoology.

WILLIAM PINGRY BOYNTON, Ph. D., Professor of Physics.

JULIA BURGESS, M. A., Assistant Professor of Rhetoric.

ROBERT CARLTON CLARK, Ph. D., Professor of History.

EDMUND S. CONKLIN, Ph. D., Professor of Psychology.

KARL M. DALLENBACH, Ph. D., Instructor in Psychology.

EDGAR EZEKIEL DECOU, M. S., Professor of Mathematics.

COLIN VICTOR DYMENT, B. A., Professor of Journalism.

JAMES HENRY GILBERT, Ph. D., Professor of Economics.

CLIFTON FREMONT HODGE, Ph. D., Professor of Social Biology.

HERBERT CROMBIE HOWE, B. A., Professor of Modern English Literature.

EARL KILPATRICK, B. A., Instructor in Mathematics.

EDWARD HIRAM MCALISTER, M. A., Professor of Mechanics and Astronomy.

GRAHAM J. MITCHELL, M. A., Assistant Professor of Geology.

JOHN P. O'HARA, M. A., Instructor in History.

MABLE HOLMES PARSONS, M. A., Professor of Rhetoric.

MARY HALLOWELL PERKINS, M. A., Assistant Professor of Rhetoric.

ROBERT W. PRESCOTT, B. A., Assistant Professor of Public Speaking.

GEORGE REBEC, Ph. D., Professor of Philosophy.

ARCHIBALD F. REDDIE, B. A., Professor of Public Speaking.

CHARLES ROY REID, E. E., Professor of Electrical Engineering.

Friedrich Georg G. Schmidt, Ph. D., Professor of the German Language and Literature.

Henry D. Sheldon, Ph. D., Professor of Education.

Don C. Sowers, B. A., Professor of Municipalities and Public Accounting; Director Municipal Research Bureau.

Fred L. Stetson, M. A., Assistant Professor of Education.

Bertha Stuart, B. A., M. D., Director of Women's Gymnasium.

Albert Raddin Sweetser, M. A., Professor of Botany.

Ida Turney, M. A., Assistant in English.

Mary Watson, M. A., Instructor in English Literature.

Roy M. Winger, Ph. D., Assistant Professor of Mathematics.

Frederick George Young, B. A., Professor of Economics and Sociology.

THE CORRESPONDENCE-STUDY DEPARTMENT.

The Correspondence-Study Department of the Extension Division is designed to bring the help of the University directly to those citizens of Oregon of all ages who may be so situated as to be unable to attend an institution of learning, but who are anxious to carry forward their education by employing to that end the hours of relaxation from their regular work, and who would be able to do this very advantageously under such guidance as the University can afford them. The demand for correspondence courses has grown steadily for several years and every effort has been made to supply the courses that seemed to meet the needs of the largest number of students. Several new courses have been added this year and others will be announced as rapidly as the demand for them and the resources of the department seem to justify them.

Among those who are taking advantage of correspondence-study courses are:

(1) The teachers in our public and private schools, a good proportion of whom are ambitious to improve their professional equipment both for the personal gratification implied in it and for the sake of the professional advancement which depends on uninterrupted intellectual growth.

(2) Men and women engaged in non-professional occupations who have the opportunity and the desire for self-improvement through one or more lines of systematic reading.

(3) Young men employed in clerical positions—banks and mercantile houses, on farms or in workshops—who are engaged in assembling funds to defray the expenses of an education like Engineering, Law, Medicine, Journalism, Teaching or the Ministry, and who wish to shorten the period of necessary residence study at the professional school by making the best use of their time from month to month during the earning period.

(4) Young women engaged as clerks and stenographers who wish to fit themselves for teaching or for secretaryships requiring more advanced training, and who find themselves in possession of a good deal of time before and after office hours which can be profitably employed in regular progressive study.

(5) Men on farms, in shops, or in lumbering or mining camps who can make excellent use of courses in Mathematics, in Science or in Engineering as a partial equipment for their regular work.

(6) Young persons wishing to prepare for college, and others who have matriculated in college or technical schools, who can make use of vacation time or periods of enforced absence from school to advance their preparation.

(7) Professional men and women who wish to keep in touch with the various branches of general knowledge or who are studying to fit themselves for higher positions in their chosen professions.

(8) Home makers who want the stimulus of outside influences such as the University can provide, to broaden the interests of the home.

(9) Mothers who wish scientific information on the care of children and who are interested in the problems connected with the schools.

(10) Women's clubs, parent-teacher associations, civic clubs, reading circles and other similar organizations.

Correspondence work cannot take the place of regular attendance at the University, but when for any reason attendance is impossible or must be deferred for a time, correspondence study may be employed to advantage. For this reason the courses have been made to reproduce as nearly as possible the actual work of the classroom and for the completion of a

course a student is entitled to credit if the requirements of the department are properly met.

The instructor in each case prepares the outlines, which are sent to the student in the form of "lessons," with instructions for their preparation and return. The student's work is examined and criticised and returned for such correction or amplification as may be indicated on the papers. Special directions and suggestions are added as they may be required by the individual student. Important helps and suggestions are given students through the medium of the Extension Monitor, a small magazine devoted to the extension work of of the University, and sent to all registered correspondence students.

Correspondence courses are, for the present, arranged in four groups:

1. **University Courses.** For which credit may be secured toward a degree. The maximum amount of credit earned in correspondence courses which may be counted toward the B. A. degree is forty semester hours, or one-third of the hours required for graduation.

A semester hour is the credit given for a correspondence course which is the equivalent of a similar course at the University, consisting of one recitation, lecture or laboratory period a week for one semester or twenty weeks.

2. **Entrance Courses.** These courses may be taken for the removal of entrance conditions in preparation for a regular University course, but credits so earned cannot be offered for credit toward a degree. These courses are not to be regarded as substitutes for high school work but are for students who are so situated that they cannot attend high school but who wish to complete their preparation for entrance to the University or continue their studies until such a time as they can re-enter high school.

3. **Courses for Clubs.** These courses consist of topical outlines and bibliographies to accompany them arranged for the special convenience of clubs. Fuller descriptions of these courses will be found at the close of the Bulletin under the head of "Courses for Clubs."

4. **Courses for Teachers.** These courses consist of outlines and study helps on the books included in the Teachers' Reading Circle list. Teachers are invited to write to the Extension Division for any of these outlines.

REQUIREMENTS FOR ADMISSION.

No formal examination is required for admission to the Correspondence-Study Department, but students are required to give full information regarding their preparation for the courses they wish to take by correspondence. Students will usually be permitted to pursue the courses which they prefer, but the department reserves the right to substitute courses for those chosen by the student when such a change would be clearly in keeping with the preparation and best interests of the student.

A student's connection with the department may continue as long as the ability and disposition are manifested to carry on the work profitably. Students in attendance at a regular session of the University of Oregon or of some other institution will not be permitted to register for correspondence courses unless special arrangements for such work are made following the advice of the instructors of the student.

CREDIT FOR CORRESPONDENCE COURSES.

Credit is given for the satisfactory completion of a correspondence course, including a final examination. Credits earned in correspondence courses by students are recorded in the office of the Registrar of the University until such students register for regular work in the University of Oregon, when these credits can be counted towards graduation. The maximum number of college credits earned by correspondance which may be offered for the B. A. degree is forty semester hours. Courses for which entrance credit is given are for students who cannot take a complete high school course and for teachers preparing for State examinations. Such courses cannot be taken for college credit unless so specified in the description of courses, but college courses may be taken to remove entrance conditions if special arrangements to this end are made.

SCHEDULE OF MARKS.

The system of marks used in grading correspondence papers is as follows:

H—Honor, the highest grade given and indicative of unusual work.

S—Superior, denoting work that is distinctly above the average.

M—Medium, good average work.

P—Poor, below the average, barely passing.

F—Failure.

Cond.—Condition. This mark is given when work is hardly of a passing grade, but the instructor feels that the student is entitled to the privilege of a second examination or another chance to raise the grade to a passing mark.

Inc.—Incomplete. This mark indicates that for some reason the work of a course has not been completed. Credit cannot be given until the work is completed.

FORMAL EXAMINATIONS.

Formal examinations are required only when credit is desired. Such examinations should be taken as soon as possible after the completion of a course, usually not later than three weeks after the last corrected report for such course has been returned to the student. Examinations are given at the office of the Extension Division of the University whenever possible, but other arrangements may be made subject to the approval of the Correspondence-Study Department.

EXPENSE.

A small fee is charged for correspondence courses to cover the postage on lessons sent to the student, on reports that are returned and the general correspondence that is carried on with the student during the progress of the work.

Beginning with January 1, 1914, a slight change was made in the fees, introducing the graduated fee depending on the length of the courses. There is now required:

1. A registration fee of $1.00, payable once a year as long as the student continues to do work in the department:

2. A fee for courses of 50 cents for each credit hour, the total amount depending on the course for which registration

is made. Thus charges for all courses will be estimated on the following basis:

1-hour college courses .	$ .50	5-hour college courses .	$2.50
2-hour college courses .	1.00	6-hour college courses .	3.00
3-hour college courses .	1.50	1 entrance unit course .	3.00
4-hour college courses .	2.00	½ entrance unit course	1.50

NOTE—In estimating the comparative value of entrance and college credits at the University, one entrance unit is counted the equivalent of six college semester hours, and a half entrance unit the equivalent of three college semester hours.

All fees are payable at the time of registration and should be sent to the Registrar, University of Oregon, Eugene, with the application. In estimating the amount, students who are registering for the first time or whose registration has expired should add to the $1.00 registration fee the amount for each course according to the above schedule. For instance, the course "Principles of Economics," given by Professor Gilbert, is a five-hour course and would cost the student $2.50, which added to the $1.00 registration fee, would make the total to be sent $3.50. Students whose registrations are still in force may register for additional courses at any time by paying the fees for courses.

Students who register for correspondence courses and for any good reason are unable to continue with the work may have the fees refunded, provided application is made within a month from the date of registration. Registration receipts must always accompany an application for the refund of fees.

Clubs may register for courses on the payment of a fee of $2.00 for each course for the entire club, provided that the lesson papers and all communications can be mailed to one address. Individual members of the club who wish to prepare reports for correction will be required to pay the regular student fees.

Remittances should be by postal or express money order or by bank draft and made payable to the Registrar, University of Oregon. Postage stamps should not be sent for fees.

Text-books and other required materials mentioned in the description of courses are to be purchased by the student. If they cannot be secured conveniently through a local dealer, they may be ordered from the Extension Division. Money for text-books and supplies should always accompany the order.

REGISTRATION.

To register for correspondence courses fill out the blank at the back of this catalogue and send it to the Registrar, University of Oregon, Eugene, enclosing at the same time the required fees. If books or supplies are desired, enclose the necessary amount. Additional application blanks may be secured from the Registrar. In filling out the application blank students should be careful to state clearly the preparation they have had for the correspondence courses they wish to undertake.

Correspondence courses offered by the Extension Division of the University of Oregon are intended for residents of Oregon only; but in a few cases the privileges have been extended to those moving out of the State and to those whose residence outside the State is temporary, under the same conditions granted to students regularly entitled to them. Ordinarily students who do not reside in the State will be required to pay a more substantial fee to cover the cost of instruction.

Students should not register for more than three courses at one time, as experience has shown us that this is all the work that can be carried successfully by any student. One or two courses will be all that students who are engaged in other pursuits can handle.

GRADUATE COURSES.

A few graduate courses are provided for students who wish to undertake such work, but these students should write for special instructions regarding the necessary procedure to secure them. Candidates for the Master's degree should submit a formal application for advanced standing to the Graduate Council of the Faculty and upon their acceptance by the council as graduate students may pursue such correspondence courses for credit as the major professor may assign.

At least one semester of residence work is required for the Master's degree, but the remainder of the thirty hours may be completed through correspondence courses and the Summer School, provided special arrangements are made with the major professor and the Graduate Council.

COURSES PREPARATORY TO THE PROFESSIONS.

Many letters are received from young men and women who wish to prepare for some profession, as law, medicine, journalism, or teaching, but who feel that they must shorten the residence period of their college training by taking some of the courses preparatory to their chosen profession by correspondence. The following groups of courses have been arranged to suggest the possibilities of correspondence work in preparation for a few of the ordinary professions:

Medicine.

Physics—Elementary and College.
Botany.
Psychology.
English.
German.

Teaching.

Any or all of the courses listed under "Education."
English.
Psychology.
Courses touching the subject in which the teacher wishes to specialize.

Journalism.

English.
Journalism—Courses "A" and "D."
History.
Economics.
Literature.
Psychology.

Engineering.

All Mathematical courses.
Mechanical Drawing.
Freehand lettering.
Physics—Elementary and College.
English.
German.
Economics.
History.

SCHOOL OF MEDICINE.

FACULTY.

P. L. Campbell, B. A., LL. D., President of the University.

Henry E. Jones, M. D., Emeritus Professor of Clinical Gynecology.

George Milton Wells, M. D., Emeritus Professor of Pediatrics.

Andrew Jackson Giesy, M. D., Emeritus Professor of Clinical Gynecology.

Simeon Edward Josephi, M. D., Professor of Nervous and Mental Diseases; Head of Department of Mental and Nervous Diseases and Medical Jurisprudence.

Otto Saly Binswanger, Ph. D., M. D., Professor of Organic Chemistry; Head of Department of Organic Chemistry.

Kenneth A. J. Mackenzie, M. D., C. M., L. R. C. P. and L. R. C. S. Edin., Dean; Professor of Operative and Clinical Surgery; Head of Department of Surgery.

Richard Nunn, B. A., B. Ch., M. D., Professor and Head of Department of Diseases of Eye, Ear, Nose and Throat.

James Francis Bell, M. D., L. R. C. P. London, Professor of Theory and Practice of Medicine; Head of Department of Medicine.

George Flanders Wilson, M. D., Professor of Principles and Practice of Surgery.

Ernest Fanning Tucker, B. A., M. D., Professor of Gynecology; Head of Department of Gynecology.

Edmunde John Labbe, M. D., Professor of Pediatrics.

George Burnside Story, M. D., Professor of Obstetrics; Head of Department of Obstetrics.

Albert Edward MacKay, M. D., Professor of Genito-Urinary Diseases.

James Cullen Zan, M. D., Associate Professor of Clinical Surgery.

Robert Clarke Yenney, M. D., Professor of Clinical Medicine.

John Dice MacLaren, M. S., M. D., Professor of Physiology; Head of Department of Physiology.

RICHARD B. DILLEHUNT, M. D., Professor of Anatomy; Head of Department of Anatomy.

H. B. MYERS, Professor of Materia Medica, Pharmacology, and Toxicology; Head of Department of Pharmacology.

ROBERT LOUIS BENSON, A. M., M. D., Professor of Pathology; Head of Department of Pathology and Bacteriology.

HOWARD D. HASKINS, A. B., M. D., Professor of Physiological Chemistry; Head Department of Physiological Chemistry.

WILLEY HIGBY NORTON, A. B., M. D., Associate Professor of Bacteriology; Assistant Dean.

ASSISTANT PROFESSORS.

ALVIN WALTER BAIRD, A. B., M. D., Assistant Professor of Surgery.

J. ALLEN GILBERT, Ph. D., M. D., Assistant Professor of Medicine.

WILLIAM HOUSE, M. D., Assistant Professor of Nervous and Mental Diseases.

J. C. ELLIOTT KING, A. B., M. D., Assistant Professor of Dermatology and Syphilology.

CLARENCE J. MCCUSKER, B. S., M. D., Assistant Professor of Obstetrics.

OTIS BUCKMINSTER WIGHT, A. B., M. D., Assistant Professor of Gynecology.

GEORGE SHATTUCK WHITESIDE, M. D., Assistant Professor of Genito-Urinary Surgery.

CALVIN S. WHITE, M. D., Assistant Professor of Medicine. (Hygiene and Sanitation.)

ROBERT H. ELLIS, M. D., Assistant Professor of Obstetrics.

RALPH CHARLES MATSON, M. D., Assistant Professor of Medicine; In charge of Tuberculosis Division of Out-Patient Department.

RAY W. MATSON, M. D., Assistant Professor of Medicine; In charge Tuberculosis Division of Out-Patient Department.

ASSOCIATES.

GEORGE AINSLIE, M. D., Associate in Ophthalmology.

OTIS FRANKLIN AKIN, M. D., Associate in Surgery (Orthopedic).

J. B. BILDERBACK, M. D., Associate in Pediatrics.

JOHN N. COGHLAN, M. D., Associate in Otology.
RALPH A. FENTON, A. B., M. D., Associate in Rhinology and Laryngology.
L. H. HAMILTON, A. B., M. D., Associate in Surgery.
GEORGE F. KOEHLER, M. D., Associate in Medicine.
HARVEY G. PARKER, M. D., Associate in Dermatology.
GEORGE NORMAN PEASE, A. B., M. D., Associate in Surgery.
FRANK M. TAYLOR, A. B., M. D., Associate in Medicine.
RALPH C. WALKER, M. D., Associate in Medicine.
FRED ZIEGLER, B. S., M. D., Associate in Surgery.
J. EARLE ELSE, M. D., Associate in Pathology.
A. N. CREADICK, A. B., M. D., Associate in Anatomy.

INSTRUCTORS.

HORACE BURNETT FENTON, A. B., M. D., Instructor in Therapeutics.
DONALD H. JESSOP, Phm. G., M. D., Instructor in Anatomy.
WILLIAM S. KNOX, M. D., B. S., Instructor in Medicine.
FREDERICK A. KIEHLE, A. B., M. D., Instructor in Ophthalmology.
MARY V. MADIGAN, M. D., Instructor in Physiology and Anaesthesia.
JAMES WENDELL ROSENFELD, A. B., M. D., Instructor in Pediatrics.
LAWRENCE SELLING, A. B., M. D., Instructor in Medicine.
WILLIAM A. SHEA, M. D., Instructor in Medicine.
PERRY J. PAYNE, S. B., M. D., Instructor in Dermatology.
SHERMAN E. WRIGHT, A. B., M. D., Instructor in Ophthalmology and Otology.

ASSISTANTS.

COURTLAND LINDEN BOOTH, A. B., M. D., Assistant in Medicine.
C. GERTRUDE FRENCH, B. S., M. D., Assistant in Opthalmology.
MARY MACLACHLAN, M. D., Assistant in Obstetrics.
WILLIAM GEORGE SCOTT, M. D., Assistant in Obstetrics.
MARR BISAILLON, M. D., Assistant in Anatomy and the Out-Patient Tuberculosis Clinic.
HARRIET J. LAWRENCE, M. D., Assistant in the Out-Patient Tuberculosis Clinic.
C. STUART MENZIES, M. D., Assistant in Anatomy.

HISTORY.

The Medical Department of the University of Oregon was established at Portland in 1887 by a charter from the Regents of the University. The first building was a small frame structure located at what is now the corner of Marshall and Twenty-second streets, on the grounds of the Good Samaritan Hospital. It consisted of a single lecture room on the ground floor, and an anatomical laboratory, on the upper floor. In 1890, the present lot was purchased, and the building was transferred to it and remodeled. The present building was erected in 1892. It is a three-story structure and contains well-equipped laboratories, a convenient dissecting room, two large lecture rooms, and the medical school library.

The merger of the Medical Department of the Willamette University, the first foundation of the kind in the State of Oregon, with the Medical Department of the University of Oregon, was effected by mutual and friendly arrangements on the first day of September, 1913. Under the terms of the merger the Medical Department of the Willamette University retired permanently from the field of medical education, and transferred its entire enrollment, numbering 40, to the State school in the city of Portland, and arrangements were effected so that the students of Willamette University will graduate during the course of the following three years, and shall receive degrees indicative of the merger of the two schools, and the alumni of both schools will be consolidated under the Medical Department of the University of Oregon, which becomes at once the sole school of medicine in the Pacific Northwest, thus serving the largest territory in the United States served by one medical school.

In the spring of this year a gift of 20 acres of land was made to the Medical Department of the University of Oregon by the Executive Committee of the Oregon-Washington Railroad and Navigation Company.

The gift was made through the favor of Mr. J. D. Farrell, the president of the company, who gave the Dean of the school an opportunity of making an appeal to Mr. Lovett, chairman of the Board, for the campus.

The written argument of the Dean was then laid before the Executive Committee in New York, and the authority for the dedication was issued on March 4, 1914.

The campus is situated on Marquam Hill, one of the most attractive scenic points in the city of Portland, and will be approached by easy grades over the Terwilliger Boulevard.

Under the terms of the gift it will be possible to erect hospitals upon the campus, which will enable the faculty of the school to give the most practical instruction upon all branches of medicine.

The plan for the erection of a group of buildings of classic design, including hospitals, is now being considered by the Regents and faculty for presentation to the Legislature.

LOCATION.

The Medical School is located at the corner of Twenty-third and Lovejoy streets, oposite the Good Samaritan Hospital, and is reached by the Washington and Twenty-third Street cars.

ORGANIZATION AND GOVERNMENT.

The Medical Department is governed locally by the executive faculty, composed of the professors and associate professors; but is responsible to the Regents of the University of Oregon, of which it is an integral part, in both scholastic and financial matters.

The teaching body consists of 60 members. There are 18 professors, ten of whom are heads of their respective departments, and six of whom devote their time to the work of the first two years. In addition to these there are assistant professors, associates, instructors, and assistants in the various departments.

BUILDINGS.

The college building is a three-story structure, heated by hot water and lighted by gas and electricity. The didactic and laboratory work is conducted here. Two large lecture halls supplied with charts, blackboards, and a projection lantern, admirably meet the need for lectures, quizzes and demonstrations.

LABORATORIES.

In 1910, a complete reorganization of the various laboratory departments was instituted, and the laboratories were newly equipped, and the facilities were much improved. The laboratories of chemistry, physiology, histology, bacteriology, pathology, pharmacology and anatomy possess all the modern apparatus for practical instruction in those subjects. The apparatus will be further augmented for this session. Under each department will be found a more detailed description of its facilities.

CLINICAL ADVANTAGES.

The college has exceptional clinical advantages because of its intimate relation to large general hospitals, in all of which are parts of the work of the clinical years.

Good Samaritan Hospital is located just opposite the college. It accommodates 250 patients and has recently built a new operating room with a convenient amphitheatre.

St. Vincent's Hospital is within five minutes' walk of the college. It is modern in every respect and contains 500 beds and six excellent operating rooms, one of which has a large amphitheatre, specially constructed to afford facilities for teaching surgery and medicine in this college.

Multnomah County Hospital is a charitable institution readily accessible by street car, and affords much material for practical clinical work. This institution will soon be enlarged to comply more thoroughly with the needs of Multnomah County.

Members of the faculty conduct clinics daily in these hospitals, and the student is brought into actual contact with methods of diagnosis and treatment.

Portland's geographical position is such that its hospitals receive many patients from a large surrounding territory, resulting in great diversity of diseases.

DISPENSARIES.

The Portland Free Dispensary is located at Fourth and Burnside streets in a district which abounds in the types for which a dispensary is necessary. It is conducted by the college

in affiliation with the People's Institute, the Men's Resort, and the Visiting Nurses' Association. The Jewish Neighborhood House Dispensary has been recently completed, and is situated opposite Multnomah Hospital at Second and Hooker streets. The chairs of medicine, surgery, gynecology, ophthalmology, otology, laryngology, pediatrics and genito-urinary diseases hold clinics in these dispensaries, and the junior and senior classes are assigned to definite hours in actual clinical work with the patient.

LIBRARY.

The Medical College library was established by gift of the medical libraries of the late Drs. R. B. Wilson and Rodney Glisan, two distinguished pioneer physicians of this State. It has a room in the college building. It has been recently added to, and will be further enlarged from time to time. Students may have access to books and periodicals subject to the library rules. Students may have access also to the library of the Portland City and County Medical Society.

REQUIREMENTS FOR ADMISSION.

These comprise as a minimum (a) the successful completion of a four-year high school or academic course, or the equivalent thereof; also (b) one year of successfully completed college work in an institution acceptable to the University of Oregon. This latter work must have included one year each of chemistry, physics, biology and a modern foreign language; also (c) a certificate of good moral standing signed by two reputable physicians.

A. High School Work Required.

The high-school work imperatively demanded of each matriculant comprises evidence of the completion of a four-year course in an accredited high school or the equivalent thereof, as demanded for unconditional admission to the University College of Literature, Science and the Arts at Eugene.

Fifteen units in all are required, nine of which are in required subjects, and the remaining six of which may be selected from the list of elective subjects given below.

By a unit of work, is meant a subject runinng one year of at least 36 weeks, five times a week, with each period not less than 40 minutes in length.

REQUIRED SUBJECTS.

The required subjects with the number of units in each are as follows:

English	3 units	History	1 unit
Algebra	1 unit	Physics	1 unit
Plane Geometry	1 unit		
One Foreign Language	2 units	Total	9 units

ELECTIVE SUBJECTS.

The balance of the fifteen units may be selected from the following:

English	1 unit	Higher Arithmetic	½ unit
Latin	1 or 2 units	Solid Geometry	½ unit
German	1 or 2 units	Higher Algebra	½ unit
Botany	½ or 1 unit	Trigonometry	½ unit
Chemistry	1 unit	Civil Government	½ unit
History	½ unit	Political Economy	½ unit
Zoology	½ unit	Bookkeeping	½ unit
Astronomy	½ unit	Mechanical Drawing	½ unit
Geology	½ unit	Freehand Drawing	½ unit
Physical Geography	½ or 1 unit	Manual Training	½ unit
Physiology	½ unit		

B. College Work Required.

One year of college work in a college or university accredited by the University of Oregon must have been completed, and this must include at least eight semester hours in didactic and laboratory courses in Advanced Physics, General Chemistry, General Biology, and advanced German or French, including certified laboratory note books.

The following schedule shows the minimum number of hours acceptable in the subjects of the preliminary year:

Subject	Lectures or recitations per week	Laboratory periods per week	Total hours per semester	Total semester hours per year
Advanced Physics	2 or 3	2 or 1	4	8
General Chemistry	2 or 3	2 or 1	4	8
General Biology	2 or 3	2 or 1	4	8
Advanced German or French	4 or 3	.....	4 or 3	8 or 6
Totals	10 or 12	6 or 3	16 or 15	32 or 30

Each laboratory period must extend over at least two hours. Beginning January 1, 1916, two years of college work will be required as prerequisite for entrance, including the above subjects and eight semester hours of Organic Chemistry.

Admission by Examination

The above credits are accepted upon credentials from proper authority without examination. Students from schools not recognized by the University of Oregon must pass an examination in the required branches. Such examination will be conducted by a member of the faculty of the University College of Literature, Science and the Arts. After such examination the student must submit credentials from the examiner certifying to his successful completion thereof. The next examination will be held at the Medical College on September 29, at 9 a. m.

Admission to Advanced Standing.

No student will be admited to advanced standing who has not complied fully with the requirements for admission to this college. Credits will be given to students from other recognized medical institutions, the requirements for admission and standard of work of which are equivalent to those of this college, upon presentation of credentials from proper authority. Such student must submit a certificate of honorable discharge from his previous college as well as evidence of the

exact amount of work he has successfully completed there, both of which are subject to the approval of the heads of the department involved and of the Dean.

Pre-Medical Course.

High-school students are advised to study the required entrance subjects with at least two years of German, and sufficient mathematics for the required college physics.

For the required year of college biology, chemistry, physics, and modern language, the pre-medical student is advised to complete the following courses in the University College of Literature, Science and the Arts at Eugene, or equivalent courses elsewhere: Chemistry 1, Physics 3 and 4, Zoology 1 and 2, and German 10. For further pre-medical study the student is advised to choose work in Chemistry, Drawing, English, German, History, Psychology, Sociology and Zoology. The subjects of Human Anatomy, Human Histology, Human Embryology, Physiological Chemistry, and Human Physiology are best studied in a medical school. Other courses in Zoology and Chemistry are advised.

Inasmuch as four years of residence in a recognized medical college is required for the degree of Doctor of Medicine, no time credit is granted for work done at Eugene, or in other non-medical schools, but subject credit may be given for satisfactory work if approved by the Dean, and the head of the Medical College department concerned.

REQUIREMENTS FOR GRADUATION.

The following are the requirements of the candidate for the degree of Doctor of Medicine:

He must be at least 21 years of age, and of good moral character.

He must have finished four full medical courses of at least eight months each, no two of which shall have been taken within the same twelve months, and the last of which must have been taken in this college.

He must have paid all fees due the college.

He must have secured satisfactory standing in all examinations and he must be present at commencement exercises and receive his diploma in person unless excused for good reason by the faculty.

THE CURRICULUM.

The curriculum consists of four annual sessions of eight and one-half months (two semesters) each. The first two years are devoted chiefly to the fundamental branches: Anatomy, both gross and minute, Physiology, Physiological Chemistry, Neurology, Embryology, Pathology, Pharmacology, Bacteriology, Materia Medica and Toxicology.

The last two years embrace the clinical branches: Medicine, Surgery, Obstetrics, Gynecology, Therapeutics, Clinical Pathology, Nervous and Mental Diseases, Genito-Urinary Diseases, and diseases of the Eye, Ear, Nose and Throat.

The student approaches the practical subjects of the third year after completion of those subjects preparatory to practical Medicine. The principles of Medicine, Surgery and Obstetrics are taken up in recitations, in sections at the dispensary, and in the clinics. Clinics, lectures, recitations and demonstrations are conducted in Medicine, Surgery, Nervous Diseases, Gynecology, Eye, Ear, Nose and Throat, Genito-Urinary Diseases, Dermatology and Pediatrics.

Classes are sufficiently small to allow each student the advantages of much personal instruction.

GENERAL INFORMATION.

Routine of Entrance.

All applications should be addressed to the Dean, Medical Department, University of Oregon, Twenty-third and Lovejoy streets, Portland, Oregon.

Students contemplating entrance to this college should apply for blank admission forms, which must be carefully filled out and returned to the Dean's office, together with credentials of work in previous schools.

Matriculation and Registration.

The new student is required to present, on matriculation day, (a) his admission credits, if not previously presented; (b) his letter of honorable dismissal from previous college; (c) a certificate of good moral character; and (d) must pay the matriculation fee and fees and deposits for the ensuing term.

Any of the above may be done by correspondence or otherwise, but the student must present himself on registration day for approval of credentials and assignment to classes.

Application for admission will not be considered later than October 7, and an extra charge of five dollars ($5.00) will be made for registration later than September 30.

Matriculation and registration will be conducted at the office of the Assistant Dean in the college building on September 29 and 30, from 9 to 12 a. m.

The Dean shall have the right to reject any applicant for admission.

Fees and Deposits.

Matriculation Fee—The matriculation fee is five dollars ($5.00), and is required of every student entering the college and is payable but once.

Tuition—The tuition for each year is one hundred and fifty dollars ($150.00), and is payable at the beginning of the school term. Those preferring to pay tuition in two payments may do so by paying eighty dollars ($80.00) at the beginning of the first semester and seventy-five dollars ($75.00) at the beginning of the second. This fee includes the laboratory and special fees formerly required in certain courses in addition to the regular tuition fee.

Breakage Deposit—A deposit of ten dollars ($10.00) is required of each student at the beginning of each year for general breakage. The cost of damage done by an individual to college property will be deducted from his deposit; and, in case the identity of the one responsible cannot be established, a pro rata charge will be made against the entire class of which he is a member. The remainder of this deposit will be returned at the end of each school year.

All fees are payable in advance at the time of matriculation. Fees are not returnable at any time, except by special action of the faculty.

The faculty reserves the right to make changes in curriculum, fees or any other matter at any time.

If a special examination is granted, a fee of $5.00 must be paid the Dean.

Special Students.

Students who register for special work, and who are not candidates for the degree of Doctor of Medicine, will be charged tuition according to the amount of work undertaken and the nature of the courses.

Post Graduates.

Graduates of this or other colleges who are visiting the city for a brief time are cordially invited to attend the various clinics and classes, but those intending to take any definite course must arrange with the Dean.

Board and Lodgings.

Good rooms with all modern conveniences can be obtained in the vicinity of the college at from $8.00 to $15.00 a month. Board may be had at from $12.00 to $18.00 a month; and room and board together may be obtained at from $20.00 to $30.00 a month.

Books and Instruments.

The average annual cost of books, instruments and other supplies varies from $15.00 to $25.00. The instructors should be consulted before buying text-books.

Lockers and Microscopes.

Coat room and laboratory lockers will be assigned and a deposit of 50 cents must be made when key for same is received. Microscopes are rented at a cost of $2.50 per semester.

RESUME OF WORK.

The following is an outline of the work. The curriculum is largely prescribed and this resume includes only that work

required of every student. The hours have been figured on a basis of sixteen weeks to a semester:

FIRST YEAR.

	Hours per week		Hours per Semester	
	Lab'tory	Lecture	Lab'tory	Lecture
First Semester:				
Chemistry—				
(Organic)	9	3	72	24
Physiological Chemistry . .	9	3	72	24
Anatomy—				
Gross	9	3	144	48
Histology	4	2	64	32
Neurology	3	1	48	16
Second Semester:				
Anatomy—				
Gross	9	3	144	48
Embryology	4	2	64	32
Physiological Chemistry	9	2	144	32
Physiology	3	4	48	64
			800	320
Total hours . . .				1120

SECOND YEAR.

	Hours per week		Hours per Semester	
	Lab'tory	Lecture	Lab'tory	Lecture
First Semester:				
Physiology	3	4	48	64
Anatomy—				
Gross	6	2	96	32
Neurology	2	1	32	16
Pathology	6	3	96	48
Second Semester:				
Pharmacology	9	5	144	80
Pathology	6	3	96	48
Bacteriology	9	2	144	32
Physical Diagnosis	..	2	32	....
			688	320
Total hours . . .				1008

THIRD YEAR.

	Hours per week Laboratory or		Hours per Semester Laboratory or	
	Clinic	Lecture	Clinic	Lecture
FIRST SEMESTER:				
Pathology	2	2	32	32
Medicine—				
Recitation	..	3	....	48
Physical Diagnosis	..	2	....	32
Clinic	1	..	16	....
Laboratory Diagnosis	6	..	96	....
Therapeutics	..	2	....	32
Dietetics	..	1	....	16
Gastro-Intestinal	..	2	....	32
Surgery—				
Recitation	..	2	....	32
Clinic	2	..	32	....
Nervous Diseases	..	1	....	16
Obstetrics	..	3	....	48
Dispensary	4	..	64	....
Topographical Anatomy	2	..	32	....
SECOND SEMESTER:				
Medicine—				
Recitation	..	3	....	48
Hygiene and Sanitation	..	2	....	32
Clinics	2	..	32	....
Surgery—				
Recitation	..	2	....	32
Clinic	1	..	16	....
Genito-Urinary Diseases	1	2	16	32
Nervous Diseases	..	2	....	32
Dermatology	..	2	....	32
Dispensary	8	..	128	....
Obstetrics	..	3	....	48
Gynecology	..	2	....	32
Eye, Ear, Nose and Throat	..	4	....	64
Pathology	2	2	32	32
			496	672
Total hours				1168

FOURTH YEAR.

	Hours per week Laboratory or		Hours per Semester Laboratory or	
	Clinic	Lecture	Clinic	Lecture
FIRST SEMESTER:				
Medicine—				
Clinic (Yenney) . .	4	..	64	....
Clinic (Gilbert) . . .	2	..	32	....
Clinic (Bell)	1	..	16	....
Dispensary	7	..	112	....
Surgery—				
Clinic (Mackenzie) .	6	..	96	....
Clinic (Wilson) . . .	..	2	....	32
Clinic (Baird) . . .	1	..	16	....
Dispensary	3	..	48	....
Obstetrics	1	..	16	....
Nervous Diseases	1	2	16	32
Gynecology Dispensary . .	1	..	16	....
Pediatrics	..	2	....	32
Dermatology and Syphilis .	.	1	....	16
Genito-Urinary Diseases .	1	2	16	32
Eye, Ear, Nose and Throat .	1	2	16	32
Serum Diagnosis	1	..	16	....
SECOND SEMESTER:				
Medicine—				
Clinic (Bell) . . .	3	..	48	....
Clinic (Yenney) . .	4	..	64	....
Clinic (Gilbert) . . .	2	..	32	....
Dispensary	4	..	64	....
Jurisprudence . . .	..	1	....	16
Surgery—				
Clinic (Mackenzie) .	6	..	96	....
Lecture (Baird) . . .	..	2	....	32
Orthopedic	..	2	....	32
Operative Surgery . .	3	..	48	....
Nervous Diseases (Clinic) .	1	..	16	....
Gynecology	1	2	16	32
Pediatrics	..	3	....	48
X-Ray and Electro-Therapeutics	..	2	....	32
Eye, Ear, Nose and Throat .	1	2	16	32
			880	400
Total hours . . .				1280
Grand total hours .				4576

I. ANATOMY.

PROFESSOR DILLEHUNT. ASSOCIATE PROFESSOR CREADICK.
DR. JESSOP. DR. BISAILLON. DR. MENZIES.

The Department of Anatomy provides for instruction in Gross Human Anatomy, Histology, and Embryology. For the former there is a large, light, well-ventilated dissecting room, supplied with stone-top tables. The department possesses a complete set of Bocks' anatomical models; an excellent articulated skeleton with areas of muscular attachments outlined on all bones; several complete disarticulated skeletons and charts, to all of which the student has access. Dissecting material is abundant.

The Histology Laboratory is thoroughly equipped, each student having a private locker containing apparatus for fixing, cutting and staining specimens; a good microscope, and all other necessary material for use in minute anatomy.

Embryology is taught chiefly from a study of the development of lower animals, but the department is equipped with eight of Professor Ziegler's wax models of the human embryo, and with several preserved specimens of the human embryo and fetus.

HUMAN DISSECTION, NEUROLOGY AND OSTEOLOGY.

The work in human dissection is covered during the first year and the first semester of the second year. The time formerly allotted to laboratory work in osteology and neurology is now given to dissection and the anatomy of the bones and joints, the brain and the spinal cord is studied in the progress of the dissection of the part involved.

1. **Dissection of the Arm and Thorax.** The student makes a complete dissection of all structures, aided by demonstrations, text-books, atlases, and models. Each student is permitted the use of the disarticulated bones of the part which he is dissecting. The work is carried on under supervision of members of the department and is supplemented by frequent quiz. Dissection period 9 hours, quiz 3 hours a week, first semester, first year. Professor Dillehunt, Dr. Bisaillon, Dr. Jessop, Dr. Menzies. *Six credit hours.*

2. **Dissection of the Leg and Abdomen.** Dissection period 9 hours, quiz 3 hours a week, second semester, first year, including Splanchnology. *Six credit hours.*

3. **Dissection of the Head and Neck, Brain and Spinal Cord.** Dissection period 6 hours, quiz 2 hours a week, first semester, second year. *Four credit hours.*

4. **Human Histology.** A complete course in minute human anatomy, beginning with a study of the cell and progressing through the structure of elementary tissues to the anatomy of the various organs and viscera, including a microscopic study of the anatomy of the human brain, spinal cord, peripheral nerves and their endings, and the organs of special sense. Lectures, 3 hours, laboratory 6 hours a week, first semester, first year. Dr. Creadick. *Five credit hours.*

5. **Human Embryology.** A study of the development of the human embryo from conception to its separation from the maternal organism. Laboratory work is conducted in the study of sections of chick and pig embryos for the earlier stages; and wax models and preserved specimens of human embryos are used in the lectures and demonstrations. Lecture 2 hours, laboratory 4 hours a week, second semester, first year. Dr. Creadick. *Three credit hours.*

6. **Topographical Anatomy.** A course of lectures and demonstrations in surface anatomy, position of viscera, surgically important anatomy, etc. Lecture and quiz 2 hours a week, first semester, third year. Professor Dillehunt, Dr. W. G. Scott. *Two credit hours.*

II. PHYSIOLOGY.

Professor MacLaren. Dr. Madigan.

The Department of Physiology has two student laboratories and an animal room. The Human Physiology Laboratory, on the third floor of the College Building, is arranged for animal experiments and contains one of the department libraries.

The modern equipment includes several complete sets of the Harvard physiology apparatus with other mechanisms, balances, glassware, reagents, thermometers and repair tools.

There is a complete equipment for graphic records with different kymographs and an electric clock.

For mammalian experiments there are tables, animal holders, instruments and anaesthetic apparatus. For experiments on man and the study of the senses there are sets of the most approved physical, microscopical, and clinical mechanisms.

The Chemical Physiology Laboratory, on the second floor of the College Building, is provided with the purest chemicals, and complete testing outfits, including nitrogen and ammonia apparatus, an electric centrifuge, a polarimeter and a spectroscope. There is a good biochemical library.

During the first year the chemical phases of physiology are emphasized, including organic and physiological chemistry, with the physiology of digestion, metabolism and excretion. During the second year the physical and psychological phases are included in a complete study of human physiology. In the third and fourth years the applications of physiology to medicine and surgery and experimental medicine are considered.

The texts in use are the most recent editions of: Cannon's Laboratory Course in Physiology, Connolly's Laboratory Directions in Organic Chemistry, Hawk's Practical Physiological Chemistry, and Howell's Text-Book of Physiology.

1. **Nutritional Physiology.** A study of secretion, foods, digestion and nutrition. Lectures 2 hours, laboratory 9 hours a week, first semester, first year. Dr. Madigan.

Five credit hours.

2. **Chemical Physiology.** The study of blood, lymph, milk, metabolism and excretion. Lectures 2 hours, laboratory 9 hours a week, second semester, first year. Dr. Madigan.

Five credit hours.

3. **General Physiology.** Advanced studies of muscle, nerve, body fluids and defences, reproduction and growth. Lectures 4 hours, laboratory 3 hours a week, second semester, first year. Professor MacLaren. *Five credit hours.*

4. **Human Physiology.** Studies of the circulation, respiration, brain, senses and mind. Lectures 4 hours, laboratory 3 hours a week, first semester, second year. Professor MacLaren.

Five credit hours.

5, 6. **Clinical Physiology.** Medical physiology, surgical physiology and the use of apparatus of precision for the diagnosis of disease. Laboratory Diagnosis for third-year students. Hours to be arranged. Professor MacLaren, Dr. Madigan.

Five credit hours, both semesters.

7, 8. **Research Physiology.** The application of the newer researches to medicine and surgery. Laboratory practice in experimental medicine. Elective for fourth-year students. Hours to be arranged. Professor MacLaren.

Five credit hours, both semesters.

III. PATHOLOGY AND BACTERIOLOGY.

PROFESSOR BENSON.

DR. ELSE. ASSOCIATE PROFESSOR NORTON. DR. SMITH.

The Department of Pathology has the necessary facilities for the study of gross and microscopic pathology. The pathological laboratories of the leading hospitals of the city are under the direct supervision of the head of this department, and the surgical clinics afford a large amount of fresh pathological material for demonstration. The museum is being constantly augmented from these sources and also from the autopsies which are performed as often as the occasion presents itself. Each student is required to attend a number of autopsies during the year and to write a detailed report on the findings.

A complete set of selections for microscopic study is furnished each student, which he is required to study fully, describe, and draw in colors. The student is also taught the technique of preparing sections of tissue, by the celloidin, paraffin and frozen section methods. The school is fortunate in having an ample equipment for such work.

Besides the instruction at the college, consisting of lectures, demonstrations, and laboratory study, demonstrations are given at St. Vincent's Hospital by a member of this department in conjunction with the surgical clinics.

The Bacteriology Laboratory is thoroughly equipped for the study of micro-organisms, of the principles of immunity, and of modern methods of hygiene and sanitation. It is pro-

vided with incubators, autoclaves, dry sterilizers, and all necessary apparatus, and a supply of the more important pathogenic organisms is kept on hand. Provision is made for animal inoculations, and the student is given an opportunity to isolate, culture, and study the various organisms.

1. **Pathological Histology and General Pathology.** A laboratory course in general Pathology, comprising the study of prepared slides supplemented by experiments; the study of fresh and museum specimens, lectures and recitations. Lectures 3 hours, laboratory 4 hours a week, first semester, second year. Professor Benson. *Five credit hours.*

2. **The Diagnosis and Histology of Tumors.** A systematic study of tumors, dealing with the microscopic diagnosis and gross characteristics. Lectures 3 hours, laboratory 6 hours a week, second semester, second year. Professor Benson. *Five credit hours.*

3. **Special Pathological Anatomy and Histology.** In this course the pathological processes are considered from the standpoint of system of organs, with special reference to their clinical features. Lectures 2 hours, laboratory 2 hours a week, first semester, third year. Dr. Else. *Three credit hours.*

4. **Special Pathological Anatomy and Histology.** Continuation of course 3. Lectures 2 hours, laboratory 2 hours a week, second semester, third year. Dr. Else. *Two credit hours.*

5. **Surgical Pathology.** This course, consisting of demonstrations of gross specimens, will be given in the pathological laboratory of St. Vincent's Hospital, and will be supplemented by autopsies.

6. **Bacteriology.** This is a practical laboratory course in which the students become familiar with the preparation of culture media, the principles of sterilization and disinfection, the methods of cultivating, staining, and studying bacteria, the biological examination of air, water, and soil, and the important species of pathogenic micro-organisms. The hygienic as well as the pathological relations of bacteriology are considered. Lectures 2 hours, laboratory 9 hours, second semester, second year. Associate Professor Norton. *Five credit hours.*

7. **Research in Pathology and Bacteriology.** Open to specially qualified students. Hours to be arranged. Professor Benson, Dr. Else, Associate Professor Norton.

8. **Serum Diagnosis.** For seniors. Hours to be arranged. Professor Benson or Associate Professor Norton.

IV. PHYSIOLOGICAL CHEMISTRY.

PROFESSOR HASKINS.

Instruction in this branch is given by lectures, demonstrations and laboratory work.

(a) A short course of eight weeks of organic chemistry will be given.

(b) A short course on the chemistry of various substances such as proteids in order that the student may intelligently execute the work that follows.

(c) A course of qualitative analysis in which some examination is made of nearly every tissue and fluid in the body; blood, liver, milk, muscle, gastric juice, adipose tissue, bone and bile receive special attention, and whenever material is available a study is made of the pathological fluids and concretions.

(d) A study of the physiological chemical processes such as the action of enzymes, salivary, pancreatic and gastric digestion.

(e) Quantitative analysis. Determination of normal and pathological constituents of urine; analysis of milk, gastric juice, air, water, and foods.

An attempt is made here to familiarize the student with the chemical technique required for metabolism experiments.

Five credit hours.

V. ORGANIC CHEMISTRY.

PROFESSOR BINSWANGER.

Lectures on hydro-carbons, alcohols, aldehydes, ketones, fats, coal-tar compounds, carbo-hydrates, amines, amides, glucosides and alkaloids. Three hours a week, first semester, first year. Professor Binswanger. *Three credit hours.*

VI. PHARMACOLOGY, TOXICOLOGY AND PRACTICAL THERAPEUTICS.

PROFESSOR MYERS. DR. FENTON.

The laboratory for work in Pharmacology and Materia Medica was newly equipped throughout in 1911. Modern apparatus and preparations of all potent drugs are on hand for laboratory work on animals. A complete collection of crude drugs is kept in the laboratory and there are ample facilities for the use of students in compounding prescriptions.

1. **Materia Medica.** This course embraces a series of lectures, quizzes and laboratory periods, treating of the chemistry and physical properties of medicinal drugs, and medical pharmacy. The student is given thorough work in writing and compounding prescriptions. Lecture 2 hours, laboratory 2 hours a week, second semester, second year. Professor Myers.

Three credit hours.

2. **Pharmacology.** A thorough lecture and laboratory course in the physiological action of various drugs. The class is divided into small groups, each of which performs experiments illustrating the influence exerted by various drugs upon the muscular, nervous, respiratory, circulatory, digestive and excretory systems. This work is supplemented by lectures and quizzes, and laboratory work in toxicology. Lectures 4 hours, laboratory 6 hours a week, second semester, second year. Professor Myers. *Three credit hours.*

3. **Therapeutics.** A lecture and recitation course in the practical application of medicinal drugs to pathological conditions, including a review of prescription writing. Two hours a week, first semester, third year. Dr. Fenton.

Two credit hours.

VII. MEDICINE.

PROFESSOR BELL. PROFESSOR YENNEY.
ASSISTANT PROFESSOR GILBERT. ASSISTANT PROFESSOR WHITE.
ASSISTANT PROFESSOR RAY MATSON.
ASSISTANT PROFESSOR RALPH MATSON.
DR. KOEHLER. DR. SELLING. DR. KNOX. DR. BOOTH.

INTERNAL MEDICINE.

Medicine is taught at first didactically by recitation from assignments, by practical work in physical diagnosis, and clinical laboratory work. Later the student is brought more closely in touch with the patient by clinics in hospitals and work in the dispensary.

1. **Medicine Recitation.** A course of quizzes in the principles of Medicine from definite assignments in a one-volume medicine. Three hours a week, first semester, third year. Dr. Selling. *Three credit hours.*

2. **Medicine Recitation.** A continuation of course 1. Three hours a week, second semester, third year. Dr. Knox. *Three credit hours.*

3. **Physical Diagnosis.** A lecture and practical course in methods of physical examination with demonstrations and practice in percussion, auscultation, etc. Two hours a week, second semester, second year. Dr. Booth. *Two credit hours.*

3a. **Physical Diagnosis.** A continuation of course 3 with work in pathological conditions. Two hours a week, first semester, third year. Dr. Booth. *Two credit hours.*

3b. **Physical Diagnosis.** This course includes inspection, palpation, percussion, auscultation, prognosis and treatment.

Palpation: Pulse—normal pulse rate, arrhythmias, valvular disease, malarial disease, pericarditis. Palpation in aneurism and pericardial effusion.

Percussion: In lean and obese patients—demonstrations of the different methods of percussion. Topographic percussion of the lungs. Demonstration of the different percussion sounds, their meaning in health and disease of the lungs. Vesicular resonance, dullness, dull - flat, tympanitic, crack-pot and amphoric.

Lungs: Variety of respiratory murmurs, vesicular, bronchovesicular, bronchial, amphoric, cog-wheel, emphysematous and asthmatic respiration. Study of early tuberculosis from the standpoint of anatomical division of the lungs. Relative value of the different physical signs in the diagnosis of incipient pulmonary tuberculosis.

Clinic provides abundant material for the study of tuberculosis and its modern methods of treatment, including tuberculosis therapy. Dr. Ralph Matson, Dr. Ray Matson.

Two credit hours.

4. **Laboratory Diagnosis.** A practical course in the laboratory in which the student is taught the chemical, microscopical, and bacteriologic examination of blood, urine, sputum, gastric contents, feces, secretions, exudates, etc., and their pathologic and clinical significance. Four hours a week, both semesters, third year. Professor Haskins. *Two credit hours.*

5. **Medicine Clinic.** A clinic devoted chiefly to instruction in the essentials of theoretical and practical Medicine. One hour a week, entire fourth year; 1-2, Wednesday, St. Vincent's Hospital. Professor Bell. *One credit hour.*

6. **Medicine Clinic.** A clinic in internal Medicine confined to the senior year. Two hours a week, entire fourth year. St. Vincent's Hospital. Assistant Professor Gilbert.

Two credit hours.

7. **Medicine Clinic.** A clinic paying especial attention to pathology and diagnosis. Four hours a week, entire fourth year. Multnomah Hospital. Professor Yenney.

Four credit hours.

8. **Medicine Lecture.** A clinic or lecture in Medicine with special stress on diseases of the stomach and intestines. Two hours a week, third year. Dr. Koehler. *One credit hour.*

9. **Lecture and Conference in Medicine.** A lecture course with frequent quizzes on the more important and more prevalent diseases. Three hours a week, second semester, fourth year. Professor Bell. *Three credit hours.*

10. **Hygiene and Sanitation.** A course treating of practical Hygiene, with instruction in municipal sanitation, food control,

and garbage destruction, and the relation of these to public health. Two hours a week, second semester, third year. Assistant Professor White. *Two credit hours.*

11. **Dietetics.** A course involving the values of foods and the methods of variance of foods in certain diseases. One hour a week, first semester, third year. Dr. Taylor.

One credit hour.

12. **Radiology and Actinotherapy.** A course in electricity as applied to medicine and surgery, including the use of the X-ray in diagnosis and therapy. Two hours a week, second semester, fourth year. Dr. Walker. *Two credit hours.*

13. **Clinic.** Clinic for third-year students at St. Vincent's Hospital. Dr. Binswanger.

14. **Dispensary.** A course in the dispensary in which small groups are assigned to the medical side, and are given practice in writing histories, physical diagnosis, laboratory work, clinical observation and treatment. Four hours a week, first semester, third year; 4 hours second semester, third year; 8 hours a week, first semester, and 4 hours a week, second semester, fourth year. Dr. Koehler, Dr. Shea, Dr. Booth and others. *Two credit hours.*

VIII. NERVOUS AND MENTAL DISEASES AND MEDICAL JURISPRUDENCE.

Professor Josephi. Assistant Professor House.

The work of this department is confined to the third and fourth years, and is conducted didactically and clinically as well as by the work in the dispensary.

1. **Introduction to Nervous Diseases.** A course dealing with the applied anatomy and physiology of the nervous system, and methods of diagnosis in nervous diseases. One hour a week, first semester, third year. Assistant Professor House.

One credit hour.

1a. **Nervous Diseases.** A lecture and conference course dealing with the pathology, sympomatology, diagnosis and treatment of the common nervous diseases. Two hours a week, second semester, third year. Professor Josephi.

Two credit hours.

2. **Diseases of the Mind, and Nervous System.** A more advanced course in the pathological conditions of the nervous system and in insanity. Two hours a week, first semester, fourth year. Professor Josephi. *Two credit hours.*

3. **Clinic.** A clinic in nervous and mental diseases. One hour a week, entire fourth year. Multnomah Hospital. Assistant Professor House. *One-half credit hour.*

4. **Medical Jurisprudence and Medical Ethics.** A course of lectures and recitations in forensic medicine and medical ethics and economics. One hour a week, second semester, fourth year. Assistant Professor House. *One credit hour.*

IX. PEDIATRICS.

Professor Labbe. Dr. Bilderback. Dr. Rosenfeld.

Instruction in this department is conducted by means of lectures, conferences and clinical work at the dispensary.

1. **Anatomy, Physiology, and Hygiene of Infancy and Childhood.** Lectures and quizzes are conducted in the anatomy, physiology, and hygiene of infancy and childhood, and principles of infant feeding, and in the disorders of nutrition in infancy. Two hours a week, first semester, fourth year. Dr. Bilderback. *Two credit hours.*

2. **Diseases of Infancy and Childhood.** A conference and lecture course in diseases of infancy and childhood. Three hours a week, second semester, fourth year. Professor Labbe. *Three credit hours.*

3. **Dispensary Work in Pediatrics.** This branch is treated as a part of the medicine dispensary. Professor Labbe, Dr. Bilderback, Dr. Rosenfeld.

X. DERMATOLOGY AND SYPHILOLOGY.

Assistant Professor King. Dr. Payne. Dr. Parker.

Lectures, recitations, demonstrations and clinical work will be conducted in Dermatology and Syphilis in the clinical years.

1. **Introductory Dermatology.** A lecture and recitation course in the fundamentals of Dermatology and in the more

prevalent diseases of the skin. Illustrative cases will be exhibited from time to time. Two hours a week, second semester, third year. Assistant Professor King. *Two credit hours.*

2. **Dermatology and Syphilis.** A continuation of course 1. One hour a week, first semester, fourth year. Assistant Professor King. *One credit hour.*

3. **Clinic in Venereal Diseases.** A clinic at Multnomah Hospital dealing chiefly with Syphilis. One hour a week, entire fourth year. Assistant Professor Whiteside. *One-half credit hour.*

XI. SURGERY.

PROFESSOR MACKENZIE. PROFESSOR WILSON.
ASSOCIATE PROFESSOR ZAN. ASSISTANT PROFESSOR BAIRD.
DR. ZIEGLER. DR. PEASE. DR. AKIN.

Surgery is approached didactically in lectures, and in recitations in the principles of Surgery, from text assignments throughout the junior year. Clinical work is conducted in the nearby hospitals in the third and fourth years. Minor Surgery is taught clinically and at the dispensary, and Operative Surgery is presented in the fourth year, during which each student is required to do actual surgical work on the cadaver. Each senior student is assigned in rotation to take part as assistant in surgical operations and as anesthetist under proper supervision, in the clinic.

1. **Surgery Recitation.** A course of quizzes in the principles of Surgery and Surgical Pathology from definite assignments in a one-volume text-book of surgery. Two hours a week, first semester, third year. Associate Professor Zan. *Two credit hours.*

2. **Surgery Recitation.** A continuation of course 1. Two hours a week, second semester, third year. Associate Professor Zan. *Two credit hours.*

3. **Surgical Clinic.** Minor surgery is taught clinically by demonstrations of technique in elementary surgery, bandaging, care of the injured, etc. One hour a week, first semester, third year. St. Vincent's Hospital. Dr. Ziegler. *One-half credit hour.*

3a. **Surgical Clinic.** A clinic in general surgery. One hour a week, first semester, third year. Dr. Hamilton.

One-half credit hour.

4. **Surgical Clinic.** The attempt is made in this course to teach surgery in the most practical manner and during the past eight years a method of instruction has been followed which has been commended in many quarters for its thoroughness.

The classes are limited at the present time to twenty-five students. Four students, who have been previously strictly trained in methods of asepsis, enter the amphitheater with the operating surgeon; two of them are assigned to assist the operator and actually take part in the operation and learn practical lessons in hemostasis, ligation of vessels, and general technique; the other two students are stationed at the head under an expert anesthetist who studies anesthesia with them and instructs them in all methods of administration. While one student is engaged in giving the anesthetic under instruction, the other is being taught how to make observations with the sphygmomanometer studying the re-action of the patient to the various operative procedures.

That part of the period which is usually consumed in preparation for operation and the administration of the anesthetic; namely, twenty or twenty-five minutes, is devoted to the study of pathology from specimens collected at previous operations under a special detail from the department of pathology.

Six hours a week entire fourth year. St. Vincent's Hospital. Professor Mackenzie. *Six credit hours.*

5. **Surgical Clinic.** A clinic in general surgery, dealing chiefly with fractures and other lesions of bones. Two hours a week, first semester, fourth year. Professor Wilson.

Two credit hours.

6. **Surgical Clinic.** A clinic in general surgery with especial attention to surgical pathology. One hour a week, entire fourth year. Multnomah Hospital. Assistant Professor Baird.

One-half credit hour.

7. **Common Surgical Diseases.** A lecture and conference course involving a discussion of the pathology, diagnosis, and

treatment of the more common surgical diseases. Two hours a week, second semester, fourth year. Assistant Professor Baird.

Two credit hours.

8. **Orthopedic Surgery.** A lecture and clinical course in orthopedic surgery. Two hours a week, second semester, fourth year. Dr. Akin. *Two credit hours.*

9. **Operative Surgery.** A course in surgery on the cadaver presented by lecture, demonstration and individual work by each student on the cadaver. Three hours a week, second semester, fourth year. Dr. Pease, Dr. Rockey.

Three credit hours.

10. **Surgical Dispensary.** A practical course in surgery, giving the student opportunity to do individual work in minor surgery at the dispensary. Three hours a week, second semester, third year; 3 hours a week, first semester, fourth year. Assistant Professor Baird, Assistant Professor Whiteside, Dr. McCusker, Dr. Shea and others. *One credit hour.*

XII. OBSTETRICS.

Professor Story. Assistant Professor Ellis.
Assistant Professor McCusker. Dr. Scott.

Obstetrics is taught in the third and fourth years in lecture, recitation, and practical courses. Normal and pathological cases are demonstrated in hospital clinics and the out-patient service. Practical work is done by each student on the manikin and in the conduct of labor, under proper supervision in out-patient work. The student must be in attendance on at least six cases before graduation.

1. **Introductory Obstetrics.** A lecture and recitation course in the anatomy and physiology of pregnancy, the diagnosis and management of normal pregnancy, and the clinical phenomena of normal labor. Three hours a week, first semester third year. Professor Story or Assistant Professor McCusker.

Three credit hours

2. **Advanced Obstetrics.** A lecture, conference and practical course in the conduct of labor and the diagnosis and treat-

ment of pathologic conditions of pregnancy, labor and the puerperium. Three hours a week, second semester, third year. Wednesday, Friday. Professor Story or Assistant Professor McCusker. *Three credit hours.*

3. **Practical Obstetrics.** A conference, and practical course in the conduct of labor and management of abnormal presentations and other complications of labor. Each student is required to do practical work with the manikin. One hour a week, first semester, fourth year. Dr. Ellis.

One credit hour.

4. **Obstetrics.** (a) Obstetrical measurements, diagnosis of foetal positions and clinical observations during pregnancy. Students will be taken in sections and hours arranged for seniors. Professor Story.

(b) Cases of confinement will be demonstrated and senior students will be allowed to assist in the conduct of labor in the maternity departments of the various hospitals and in the out-patient service. Hours to be arranged. Entire fourth year. Professor Story, Assistant Professor McCusker, Dr. Scott.

XIII. GYNECOLOGY.

PROFESSOR TUCKER. ASSISTANT PROFESSOR WIGHT.

Gynecology is taught by lectures, recitations, clinics and dispensary work in the third and fourth years.

1. **Gynecology.** Lectures and recitations in the anatomy, physiology and pathology of the female pelvic viscera, methods of gynecological examination, and the diagnosis and treatment of pelvic diseases. Two hours a week, second semester, third year. Assistant Professor Wight. *Two credit hours.*

2. **Clinical Gynecology.** Lectures and clinics in the surgical diagnosis and medical and surgical treatment of diseases of women. Two hours a week, second semester, fourth year. Professor Tucker. *Two credit hours.*

3. **Practical Gynecology.** Dispensary work will be assigned to senior students. Hours to be arranged.

XIV. GENITO-URINARY DISEASES.

PROFESSOR MACKAY. ASSISTANT PROFESSOR WHITESIDE.

Diseases of the genito-urinary tract will be considered didactically and clinically in the junior and senior years. Practical work will be given at the dispensary in cystoscopy, urethral, catheterization and modern methods of treatment.

1. **Lecture and Conference.** Lecture and conference in anatomy and physiology of the genito-urinary tract and study of the diseases affecting it. Two hours a week, second semester, third year. Professor Mackay. *Two credit hours.*

2. **Continuation of Course.** With presentation of clinical work and accurate methods of diagnosis and treatment. Two hours a week, first semester, fourth year. Professor Mackay. *Two credit hours.*

3. **Dispensary Work in Genito-Urinary Diseases.** Will be assigned as a part of the work in surgical dispensary. Assistant Professor Whiteside and others.

4. **Clinic.** A clinic in the pathology, diagnosis, and treatment of genito-urinary diseases, and the use of the cystoscope and other diagnostic appliances. One hour a week, second semester, third year; 1 hour a week, first semester, fourth year. Multnomah Hospital. Assistant Professor Whiteside. *One-half credit hour.*

XV. OPHTHALMOLOGY, OTOLOGY, RHINOLOGY AND LARYNGOLOGY.

PROFESSOR NUNN. ASSISTANT PROFESSOR COGHLAN.
DR. RALPH FENTON. DR. KIEHLE. DR. AINSLIE.

These branches will be taught separately in the elementary work by means of lectures, demonstrations and recitations, and minor surgery, in the clinics during the junior year. A more advanced course will be given in the senior year, including major surgery.

1. **Eye.** A lecture and quiz course in the anatomy and physiology of the eye and in its more prevalent diseases. Two hours a week, second semester, third year. Dr. Ainslie. *Two credit hours.*

2. **Ear, Nose and Throat.** A course of lectures and quizzes in the anatomy and physiology of the ear, nose and throat and the pathology, diagnosis and treatment of their disorders. Two hours a week, second semester, third year. Dr. Kiehle. *Two credit hours.*

3. **Diseases of the Eye.** An advanced course of lectures and clinics in the pathology, diagnosis and treatment of affections of the eye, ear, nose and throat. Two hours a week, first semester, fourth year. Professor Nunn. *Two credit hours.*

4. **Diseases of the Ear, Nose and Throat.** A more advanced course in the diseases of the ear, nose and throat. Two hours a week, second semester, fourth year. Assistant Professor Coghlan. *Two credit hours.*

5. **Clinic.** A clinical course in diseases of the ear, nose and throat at Multnomah Hospital. One hour a week, entire fourth year. Dr. Ralph Fenton. *One-half credit hour.*

6. **Dispensary.** A practical course in which the students have an opportunity to examine and make observations on cases. Three hours a week, second semester, third year; two hours a week, first semester, fourth year, at Free Dispensary.

RULES OF THE FACULTY.

Attendance.

The roll will be taken at the beginning of each exercise by the instructor.

Attendance upon 80 per cent of the exercises in each subject is required in order to receive credit for that subject.

All students are required to be in actual attendance within the first week of the session and thereafter.

Each student must have been in attendance upon six obstetrical cases before graduation, and these cases will be assigned in rotation. When called to such cases, the student must respond without fail, or await the complete rotation to his name again.

No results of examinations shall be announced to students except from the Dean's office.

Cheating or any act of dishonesty during an examination shall be cause for immediate suspension of a student from classes, pending action of the faculty, and upon sufficient evidence expulsion shall follow.

The Dean shall have the right to reject any applicant for admission.

The Dean shall have authority to summarily suspend any student for disorderly conduct, immorality, insubordination, or persistently poor class work, and to refer the case to the faculty for the further penalty of expulsion.

Smoking is positively forbidden in the class rooms and laboratories.

Visitors must not be shown about the College Building without permission from the office, or an invitation from a member of the faculty.

Examinations.

Each instructor shall give a written examination at the end of his course. A final examination on the entire subject will be given by the head of the department at the completion of the course.

A percentage grade of at least 75 must be secured in each subject in order to receive credit. This grade is based upon the general character of work, in quiz and laboratory, and the final examination.

A grade between 60 and 75 means a condition in the course involved, which implies that a second examination must be taken at the beginning of the next session.

In all re-examinations no grade over 75 will be given; the student either passes or fails.

A condition of more than one year's standing, without re-examination is a failure.

Three conditions necessitates repetition of the entire year's work.

In the event of two conditions, failure to remove at least one, necessitates repetition of the semester's work.

A grade below 60 is a failure, and necessitates repetition of the course in which it was received.

Two failures necessitate repetition of the entire year's work.

Students who for three successive years fail to secure advanced standing will not be permitted to continue their studies in the college.

Fourth-year students are required to pass in all subjects before receiving degree of Doctor of Medicine. Conditions received in the fourth year, not to exceed two, may be removed by re-examination at the beginning of the following session, and, if removed, the student will receive the degree at the next succeeding commencement.

Return of Fees.

Fees are not returnable at any time except by special action of the faculty.

College Property.

The people of Oregon, through the University Regents and the Medical College Faculty, grant to the students the proper use of the buildings and equipment. It is an honored privilege to guard this trust.

Any loan from the Medical College to students shall be returned whenever officially requested.

Loans, not returned upon request, are subject to a fine of five cents a day thereafter, and to the cost of messenger sent for the property. Credit will be withheld until return of such.

Study materials may be purchased from the supply room, at cost, by coupon tickets of $3.50 each, to be obtained from the Assistant Dean. Unused parts of coupon tickets will be redeemed at the end of the college year.

Certain apparatus and costly material is loaned from the supply room on receipt, and subject to special rules.

Circulating books and periodicals may be borrowed for a period of seven days.

Each laboratory and its equipment is controlled by its director. Laboratory property should not be touched without proper consent.

Reference books and periodicals, apparatus and special materials may be obtained from any laboratory by personal arrangement with its director.

The Assistant Dean has immediate supervision of all college work and property. He may be consulted in the College Office.

SCHOLARSHIPS AND PRIZES.

One full scholarship and two half-scholarships are open to graduates of the University of Oregon with the degree of A. B., or B. S., of not more than two years' standing. The holders of the scholarships will be assigned to special work in the Medical Department subject to the Dean.

Six positions as student assistant in the laboratory branches are open to all students. These positions carry a salary of one hundred and fifty dollars per session, and scholarships and special qualification are considered in their allotment. Application for these positions must be made in writing to the Assistant Dean, and such application is subject to the approval of the instructor under whom the applicant contemplates serving.

The Saylor Medal.

The Saylor Medal was founded by the late Professor Saylor. It will be awarded annually to the graduate in highest standing in all departments.

The Anatomy Medal.

The Anatomy Medal will be awarded annually to the undergraduate who receives the highest grade in Anatomy, including Gross Anatomy, Histology and Osteology. It will be presented at the time of the recipient's graduation.

The average of final grades will be taken as a basis for awarding the above medals; and the candidate must have done all work in some department of the University of Oregon.

Scholarships 1913-1914.

Ernest Dolph Lamb.

Scholarships 1914-1915.

George Earl Fortmiller. Delbert C. Stanard.
Ernest Dolph Lamb.

Recipients of Medals 1913-1914.

Harry M. Bouvy, Saylor Medal.
Carl F. Larson, Anatomy Medal.

UNIVERSITY OF OREGON SCHOOL OF MUSIC.

THE FACULTY.

P. L. CAMPBELL, B. A., President of the University.

RALPH H. LYMAN, B. A., Dean School of Music and Instructor in Voice.

Mrs. A. MIDDLETON, Assistant Instructor in Voice.

WINIFRED FORBES, Director of the Orchestra and Instructor in Violin.

JOHN J. LANDSBURY, Mus. Bach., Mus. Dr., Head of Piano Department and Instructor in Theory of Music.

HERMIONE HAWKINS, Instructor in Piano.

NELL MURPHY, B. A., Mus. Bach., Assistant Instructor in Piano.

INA WATKINS, Assistant Instructor in Piano.

RUTH DAVIS, Mus. Bach., Assistant in Piano.

JESSIE FARISS, B. A., Mus. Bach., Assistant in Piano.

Mrs. ROSE COFFEY POWELL, Instructor in Public School Music.

FRANK V. BADOLLET, Instructor in Flute.

JESSIE HARRIS, Secretary of the School of Music.

AIMS.

The Department of Music aims to provide a general cultural course for students who desire knowledge of music, and a more technical course of study for those who shall become musicians as teachers, composers, or performers.

COURSES.

The work of the department is divided into theoretical and practical. The theoretical consists of courses in harmony, theory, history of music, and public school music. Courses 1 and 13 are open to all students without musical training.

1. **Musical Appreciation.** A course of lectures designed to promote an interest in the art of intelligent listening. This course is addressed primarily to those who wish to increase their capacity for the understanding and enjoyment of musical literature and who are desirous of knowing upon what grounds

and in what measure a musical work is to be judged. Illustrations on the victrola (complete set of records) and by invited guest performers. *One hour, each semester.*

(This course will probably not be given next year, except in combination with course number thirteen.)

2. **Harmony I.** A general course in the history, construction, and treatment of harmonic formations. First semester—the harmonic equipment of the key. Second semester—the functions of foreign tones, modulations, etc.

Two hours, each semester.

(This course will be given as a three-hour course during the coming year. No increase in tuition.)

3. **Harmony II.** Harmonic reduction and expansion explained. An exhaustive study of modulation. Examination of the various harmonic theories. Harmonic analysis of representative works of Beethoven and Mozart, etc. Prerequisite: Harmony I. *Two hours, first semester.*

4. **Formal Analysis.** A study of musical architecture with special reference to the sonatas of Haydn, Mozart, Beethoven, etc. Prerequisite: Harmony I. *Two hours, second semester.*

5. **Fugal Analysis.** A course designed to acquaint the student with the structural basis of the strict style in general and the inventions and fugues of J. S. Bach in particular. Lectures on harmonic counterpoint, double, triple and quadruple counterpoint, double and triple fugue, canon, etc. Recommended as a preparation for the courses in counterpoint. Prerequisite: Harmony I. *Two hours, one semester.*

6. **Thorough Bass.** A course in the harmonization of basses and melodies (usually called Harmony) based upon the treatises of Emery, Richter, Jadassohn, and others.

Two hours, one semester.

7. **Keyboard Harmony and Ear Training.** A course in the application of harmonic principles to the pianoforte. Playing from dictation—modulations, etc. Prerequisite: One-half year of Harmony I, or Thorough Bass. *One hour, one semester.*

8. **Counterpoint.** A practical course in simple counterpoint based upon the treatises of Bridge, Richter, Jadassohn, etc.

Some work in the practical double counterpoints. For further work see "Canon and Fugue." Prerequisite: Harmony I.

Two hours, one semester.

9. **Canon and Fugue.** Application of the preceding courses to the canon and fugue and strict style of composition in general. Prerequisite: Harmony I and Counterpoint.

Two hours, one semester.

10. **Free Composition I.** Study of the variation, simple song forms, etc. Prerequisite: Harmony I and II, and Formal Analysis. *Two hours, one semester.*

11. **Advanced Composition II.** The developed ternary form, rondo, song, etc. Not more than three permitted in class. Prerequisite: Harmony I and II, Formal Analysis, Free Composition. *Two hours, one semester.*

12. **Musical Philosophy.** A course of lectures dealing with the physical basis of music, temperaments, consonance and dissonance, decomposition of chords, figure and color analogies, etc. Admission by appointment. *One hour, one semester.*

13. **Musical History.** A general course in the evolution of music; its relation to the other arts and sciences and its place in a liberal education. Primitive music, the Greek systems, early church music, polyphonic music, instrumental music, the opera, oratorios, etc. Recommended to be taken with Harmony I. (See foot-note on course No. 1.)

Two hours, entire year.

14. **Elementary Instrumentation.** A course in arrangement and composition for orchestra. Prerequisites: Harmony I and II, Formal Analysis, Fugal Analysis, Canon and Fugue, Composition I and II. *Hours to be arranged.*

15. **Public School Music.** To prepare for the teaching and supervision of music in the grades and high school, giving the most approved methods and outlining a general course to be used in teaching. To obtain a certificate on completion of this course, students will be required to have taken two years of Harmony, four hours History of Music, Choral Conducting, Sight Singing, two years of Voice Training, and be

able to play the piano well enough to play accompaniments of moderate difficulty. Limited opportunities for practice teaching are given in the Eugene public schools.

Two hours, two semesters.

16. **Chorus Directing.** A practical course in the rudiments of directing. The members of the class act as a chorus, and each one is asked to direct at each recitation.

One hour, one semester.

Candidates for the degree of Bachelor of Music must have completed the entrance requirements of the University before beginning the course. The following are the requirements for candidates for the Music Bachelor degree. This schedule will give the credit which ought to be given to the practical work in music, allow the pupil to take a full course in the theoretical work, and yet allow for a fairly broadening course without which we feel that no university degree should be granted. The practice which a pupil does is considered as laboratory work and credit is given on that basis.

	Piano, etc. Hours.	*Voice, Hours.*
Major subject (piano, violin, etc.), 4 years, 3 hours daily practice, 2 lessons per week	48	....
Major subject (voice), 4 years, 1 hour daily practice, 2 lessons weekly	....	24
Minor subject, 1 year, 1 hour daily practice, 1 lesson weekly	4	4
Harmony, 4 years, 2 hours per week	16	16
History of Music	4	4
Appreciation of Music	2	2
Two years, one modern language	18	....
Two years of one modern language, 1 year Italian, 1 year another modern language (required of voice students	....	32
English	6	6
Totals	98	88
Free electives (of which all but 10 must be from other studies than music)	22	32
Totals	120	120

In case the major subject chosen is Harmony, not less than 20 hours nor more than 40 hours must be presented in that subject, while a minor of some practical study of Music must be pursued for the four years of the course—1 lesson weekly, and at least 1 hour of practice daily—for which a total of 16 hours credit will be allowed. Additional hours in English, Psychology, and Physics should be taken. The other requirements will be the same as for a student majoring in Voice.

Practical courses are offered in Voice, Piano, Violin and Flute. These courses are elective, and are open to any student who wishes to study Music, whether a candidate for a degree or not. Candidates for the degree of Bachelor of Arts may take Music each year. College credit of four semester hours for practical Music is given. Further credit is given for theoretical Music towards a B. A. degree, it being considered a major subject in the College of Liberal Arts. All students in Piano and Violin are required to take the theoretical course, unless permission to omit such work is given by the Dean of the School of Music.

Upon entrance to the four years of piano work offered in the University, the candidate for the degree of Bachelor of Music must be thoroughly familiar with the major and minor scales, triads and arpeggios. He should have studied selections from the following (or similar) works: Heller op. 45, 46, 47; Czerny op. 299; Berens op. 61; Hanon, Schmitt, Spanuth, Zwintcher, etc. He must be able to perform intelligently one of the easier sonatas of Mozart, Haydn or Dussek, and a two-voiced invention or one of the easier fugues of J. S. Bach.

Upon entrance to the four years of Voice work offered in the University, the candidate for the degree of Bachelor of Music should have a knowledge of notation, tonality, intervals and rhythm, and should be able to sing studies from Abt, Concone op. 9, Panofka op. 85, or their equivalent.

Upon entrance to the four years of Violin work, the candidate for the degree of Bachelor of Music should be able to produce a good tone, to play in first position with accurate intonation, to give an acceptable rendering of simple melodies, and to read at sight.

Upon entrance to the four years of Flute work, the candidate for the degree of Bachelor of Music should be able to read music, understand the mechanism of the flute, know the correct fingerings, embouchure, breathing, and be able to play exercises in Arthur Brook's Flute Method, Part I.

PREPARATORY COURSES.

In Voice, Piano, Flute and Violin courses are offered from the beginning of music study, for the benefit of those who have had comparatively little or no work.

RECITALS.

Practice recitals are given twice a month, giving every student an opportunity to play, and incidentally affording him a larger knowledge of musical literature in all grades. Public recitals are given during the year, and at the close of the school year.

ENSEMBLE CLASSES.

Ensemble classes (small groups of three or four violins, with or without pianos) are rehearsed once a week under the direction of Miss Forbes. The class is given graded compositions selected from the best classic and modern musical literature and is given drill in sight-reading, technic and interpretation.

ACCOMPANYING.

Special instruction in the difficult art of accompanying is given. Rates and further particulars upon application.

PREPARATORY HARMONY.

A special feature of the piano and violin departments is a course in preparatory harmony and sight reading, which all students are required to take if they have not already had such training. These classes are graded and held once a week. No tuition.

TUITION.

One lesson per week for one semester (18 weeks):

	Half-hour lessons.	*Hour lessons or two half-hour lessons.*
Instructors	$25.00	$45.00
Assistant instructors	18.50	35.00
Assistants	15.00	25.00
Special rates for Mr. Landsbury	30.00	55.00

Two one-hour lessons, per week, double the hour rate.

Harmony, History of Music, Public School Music, Composition and Chorus Directing:

Two-hour or three-hour courses (per semester)	$12.50
One-hour courses (per semester)	7.00

All tuition payable in advance by the semester.

Teachers are not allowed to give lessons until tuition is paid.

Pupils coming in late will be charged a rate per lesson slightly in advance of the rate for the semester, and will be required to pay in advance for the remainder of the semester.

No refunds will be allowed in the case of tuitions for class work, except in cases of long illness, where the loss will be shared with the student.

Claims for refunds must be made before the end of the semester.

In case of illness, the teacher will make up the lessons missed, providing that the teacher has been notified before the lesson hour. If it is found impossible to make up the lesson, the money will be refunded upon application.

Lessons missed because of the illness or absence of the teacher will be made up or the money refunded.

Pupils wishing to withdraw from their work before the end of the semester, or to change teachers, must obtain the consent of the Dean before doing so, and shall pay the higher rate for all lessons taken.

The following rates will be charged for pupils entering late, or taking less than a full semester's lessons:

For one half-hour lesson a week—

When the semester rate is $30.00	$1.75 per lesson
When the semester rate is 25.00	1.50 per lesson
When the semester rate is 18.50	1.10 per lesson
When the semester rate is 15.00	.90 per lesson

For two half-hour lessons, or one-hour lesson per week—

When the semester rate is $55.00	$1.65 per lesson
When the semester rate is 45.00	1.35 per lesson
When the semester rate is 35.00	1.05 per lesson
When the semester rate is 25.00	.75 per lesson

The rates for two one-hour lessons are double the above rates.

ADDITIONAL EXPENSES.

Pianos may be rented at rates of from $4.00 to $6.00 per month.

Information in regard to living and incidental expenses may be secured from the Registrar of the University.

DEGREES CONFERRED.

On Commencement Day, June 17, 1914, degrees were conferred as follows:

THE DEGREE OF MASTER OF ARTS UPON

Bertha Dorris.
Hazel V. Stokes.

THE DEGREE OF BACHELOR OF ARTS UPON

Lauretta Milindia Archambeau.
Calvin A. Arpke.
Clarence Edward Ash.
Florence Avery.
Carl C. Baker.
Rose Marie Basler.
Ruth Beach.
Grace Bean.
Hawley James Bean.
Wallace G. Benson.
Barbara Wenzora Booth.
Robert C. Bradshaw.
Irwin G. Brooks.
Sybil Brown.
Thomas A. Burke.
Victor Earl Burris.
Catharine Campbell Carson.
Chauncey R. Casebeer.
Edith Clements.
Effie M. Cole.
Corina Bess Cowden.
Norton R. Cowden.
Jesse H. Crenshaw.
Claire E. Deyoe.
Norma B. Dobie.
Flora Alice Dunham.
Reymund B. Early.
Agnes Elizabeth Elliott.
Leola Ewbank.
J. Robert Fariss.
Marie P. Fletcher.
George Earl Fortmiller.
Henry Fowler.
Elmer Morris Furuset.
Meta Mariona Goldsmith.
Norma Frances Graves.
Laura Hammer.
Otto Heider.
Oala Henline.
Opal Jarvis.
Helen M. Johnson.
Joseph F. Jones.
Jesse R. Keliems.
Maude Kincaid.
Dalzel M. King.
Edward Erie Lane.
John Franklin Leggett.
Lucia Katherine Macklin.
Ruth MacLaren.
Maud Mastick.
S. Eleanor McClaine.
Robert D. McCornack.
Agnes Millican McLean.
Edward Colton Meek.
Helen Elizabeth Meredith.
Vernon T. Motschenbacher.
William P. Murphy.
Anna Neufeld.
Aline E. Noren.
Mae A. Norton.
Aldous Oberholtzer.
G. Herman Oberteuffer.
Minnie Irene Poley.
Olga Marion Poulsen.
Georgia Prather.
C. Harlow Pratt.
Harold Wilfred Quigley.
Marguerite Rankin.
Florence Rees.
Charles A. Reynolds.
Effie J. Rhodes.
Donald B. Rice.
Lyman G. Rice.
Ethelind Risley.
Giles M. Ruch.
Cecile Hardy Sawyer.
E. Ellice Shearer.
Veda Warner Sheldon.
Clifford M. Sims.
Alfred Skei.

Ruth Gladys Smith.
Elizabeth Snell.
Delbert C. Stanard.
Pearl Stevens.
Kathleen Stuart.
Maurice E. Terpening.
Martina H. Thiele.
Anne Florence Thrall.
Grace Isabel Tiffany.
Pauline Van Orsdel.
Richard Gwyn Watson.
J. Lawrence Whitman.
Raymond O. Williams.
Lucile Marie Yoran.
Frederic Harold Young.
Mary Janet Young.
Wilhma Young.

THE DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING UPON

Fred Anunsen.
George F. Carl.
Wallace Burnside Caufield.
Alfred D. Collier.
Alfred H. Davies.
Carl B. Fenton.
Charles A. Fowler, Jr.
Vernon Chatburn Genn.
Raymond B. Giles.
David Gilbert Glass.
Alva R. Grout.
Earl Franklin Hughes.
Donald W. Larwood.
Stewart H. Lyons.
Alexander Martin III.
Daniel McFarland.
Parks L. Morden.
Clyde Pattee.
Robert A. Pratt.
Byron H. Smith.
George Eckler Stevenson.
Clarence L. Stoddard.
Everett R. Stuller.
Woo Lai Sun.
Carl F. Thomas.

THE DEGREE OF ELECTRICAL ENGINEER UPON

Charles Herbert Van Duyn.

THE DEGREE OF CIVIL ENGINEER UPON

Calvin Casteel.

THE DEGREE OF DOCTOR OF MEDICINE UPON

Elmer Everett Anderson.
Arvid E. Anderson.
Harry Matthew Bouvy.
Carl E. Cashatt.
George Clarke Dunham.
R. L. Edwards.
Norman Claude Hampton.
Charles W. Hamilton.
Ethel Neva Hart.
Charles Dorsey Houser.
Merle G. Howard.
L. Lorraine Hoy.
Emile C. Joseph.
Phil J. Keizer.
Alfred E. Kinney.
Carl Frederick Larson.
R. D. MacRae.
R. Bruce Miller.
Clinton C. Moffat.
Harry Schwartz.
H. Zophar Tharp.
Albert William Tiedemann.
John Clinton Van DeVert.
Clyde C. B. Van Vlerah.
Charles B. Wade.
Melville Abbott West.

THE DEGREE OF BACHELOR OF LAW UPON

Warner A. Ackerman.
Harry S. Bartow.
Edna May Bayless.
Henry Bauer.
Claude F. Board.
Raymond V. Borleske.
Hugh J. Boyd.
Elizabeth J. Braun.
Aden Bristow.
Elmer J. Buchman.
Thomas E. Burns.
Edward A. Burt.
Elias N. Canellopoulos.
Laura E. Cavers.
John M. Connolly.
Charles Coston.
Robert L. Deaver.
William S. T. Derr.
Marie G. Downes.
Frank C. Drumm.
Ralph M. Farmer.
Kathryn Durnford Fenn.
Harry B. Fogarty.
Hazel Fitzwater.
James H. Ganoe.
Emmett J. Gillespie.
Charles L. Graden.
Beryl A. Green.
Henry L. Hess.
J. Harvey Hobart.
Charles M. Hodges.
Charles W. Hohlt.
C. E. Holbrook.
Harvey E. Inlow.
Ina Jaqua.
Frederick Jensen.
McKinley Kane.
William B. Kauffman.
Felix P. Kleeman.
George L. Koehn.
L. Leonard Krause.
Benjamin Harrison Lerner.
Frank E. Manning.
Frank E. McClure.
Fordyce Claire McDougal.
George W. McMath.
Wilson B. Miller.
George H. Mullin.
Raymond M. Munly.
William E. Murphy.
John W. Peters.
Henry F. Pfingsten.
Robert Burns Powell.
Patrick J. Pryor.
Nettie Mae Rankin.
Clyde H. Reade.
William J. Richmond.
David Robinson.
Bernard F. Smith.
Seth LeRoy Smith.
Daniel T. VanTine.
J. E. Werlein.

HIGHEST HONORS

The following students have successfully passed the examinations required for Highest Honors in the subjects listed below:

ECONOMICS.

Donald D. Rice.

ENGLISH LITERATURE.

William Cass.
Edith Clements.
Norma Dobie.
Henry Fowler.
Maud Mastick.

GREEK.

Catharine Campbell Carson.

HISTORY.

Barbara Wenzora Booth.

STUDENTS ENROLLED.

GRADUATE SCHOOL.

Name. *Home Address.*

Carl C. Baker, B. A. University of Oregon, 1914 ..... Portland
H. E. Barnhart, B. A. Dallas College ..... Falls City
Helen W. Carrett, B. A. University of Michigan, 1910 .. Niles, Michigan
William A. Cass, B. A. University of Oregon, 1914 ..... Hood River
Edna Prescott Datson, B. A. University of Oregon, 1912 ..... Eugene
Leola Ewbank, B. A. University of Oregon, 1914 ..... Eugene
Willard LeRoy Hayes, B. A. McMinnville College, 1914 ... McMinnville
Ruth M. Howell, B. A. University of Oregon, 1912 ..... Portland
Conifred Hurd, B. A. University of Oregon, 1911 ..... Eugene
Mary Emma Kent, B. A. University of Oregon, 1906 ..... Eugene
Dal M. King, B. A. University of Oregon, 1914 ..... Myrtle Point
E. Erie Lane, B. A. University of Oregon, 1914 ..... Eugene
Helen Ramage, B. A. University of Oergon, 1913 ..... Eugene
Effie Rhodes, B. A. University of Oregon, 1914 ..... Portland
Ralph W. Tavenner, B. S. University of California, 1912 .. Independence
Grace Isabel Tiffany, B. A. University of Oregon, 1914 ..... Eugene
J. Laurence Whitman, B. A. University of Oregon, 1914 .... Pendleton

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS.

Name *Home Address*

Adams, Louise ..... Silverton
Ackerson, Luton ..... Eugene
Aikins, Alta Mae ..... Riddle
Allen, Flora I. ..... Wallowa
Allen, Louise H. ..... Eugene
Allen, Marie Louise ..... Eugene
Allen, Mignon M. ..... Astoria
Allen, Ralph S. ..... Eugene
Allen, Raymond Nelson .. Eugene
Amspoker, Walter B. .... Riddle
Anderson, George ..... Hillsdale
Anderson, May ..... Portland
Anderson, Millroy A. ... Portland
Andrews, Roy C. ..... Eugene
Apperson, Arthur LaVern . Eugene
Arant, Lucien P. ..... Monmouth
Arnold, Hubert R. ..... Portland
Ash, Ralph Walker ..... Portland

Bothwell, Avison J.
Ellensburg, Wash.
Bailey, Louise ..... Eugene
Baker, Amy Hurlburt .... Eugene
Baker, Frances Elizabeth
Hood River
Baker, Mary E. ..... Eugene
Baker, Paul Everette .... Eugene
Baker, Robert V. ..... Portland
Ball, Doris M. ..... Portland
Ball, Winifred ..... Eugene
Bancroft, Lillian May .... Eugene
Barker, Sara Anne ..... Astoria
Barnett, Ira F. ..... Wasco
Barnett, J. Golden ..... Wasco
Barr, Lola Esther ... Springfield
Barry, Madge ..... Marshfield
Bartlett, William Kenneth Estacada
Bates, Leopold Job ..... Newberg
Batley, George Merlin
Twin Falls, Idaho
Baumann, Selma ..... Portland
Bayly, Edward Lloyd ... Portland
Beach, Curtis L. ..... Portland
Beach, Frank L. ..... Portland
Bean, Robert Douglas .. Portland
Beck, Anna L. . Long Beach, Calif.

Name	*Home Address*
Beck, Callie B.	Eugene
Becke, Karl G.	Aurora
Beckett, John W.	Portland
Beckwith, Arvilla	Portland
Beebe, Francis F.	Eugene
Beebe, June	Eugene
Beer, Martha Emma	Eugene
Belat, Margaret	The Dalles
Belding, Don	Grants Pass
Belknap, Leland V.	Eugene
Bell, Jean Herriot	Pioneer
Bent, Winifred	Portland
Berlin, Harold D.	Turlock, Calif.
Berry, Carl Evan	Hood River
Betts, Charles R.	Estacada
Bigbee, Carson L.	Eugene
Bigbee, Lyle R.	Eugene
Bigbee, Morris S.	Eugene
Bills, Ernest Wendell	McMinnville
Bingham, Alice Greenwood.	Salem
Bingham, Grace Ellen	Eugene
Bisher, John L., Jr.	Halfway
Blackaby, Earl	Ontario
Blackaby, Larue	Ontario
Blom, Paul E.	Fairfield, Wash.
Blowers, Ellen	Hood River
Blumenstein, David	Elgin
Bodman, Lolita	Portland
Bohnson, Lillian Lucile	Portland
Bond, Aubrey H.	Eugene
Bond, Lewis A.	Eugene
Bond, Noble Watson	Eugene
Boone, William Renick	Wellsville, Kansas
Booth, Harrie W.	Roseburg
Bostwick, Albert Lee	Baker
Bowden, Florence	Corvallis
Bowen, Alexander P.	Portland
Boyer, Elmer George	McCoy
Boylen, Thomas, Jr.	Pendleton
Brattain, Eva Maude	Springfield
Breeding, Bernard B.	Portland
Brenton, Walter	Eugene
Bridges, Katharine M.	Oswego
Bristow, Arlo B.	Pleasant Hill
Brock, Eva Lenore	Hood River
Bronaugh, Earl C., Jr.	Milwaukie
Broughton, Mildred C.	Portland
Brown, Eyler	Eugene
Brown, John Prentiss	Lebanon
Brown, Leland L.	Lonoke, Ark.
Brown, Lois Estella	Eugene
Brown, Lurline L.	Lebanon
Brown, Merna F.	Spokane, Wash.
Brown, Mildred A.	Spokane, Wash.
Brown, Mildred G.	Medford
Brownell, Austin B.	Gardiner
Brunkow, Clarence William	Ridgefield, Wash.
Bryant, Raymond H.	Clatskanie
Buell, Gertrude	Eugene
Bull, Howard W.	Salem
Bugbee, Theodore Potts	St. Johns
Bullock, Samuel Clement.	Portland
Buoy, Beatrice	Eugene
Buoy, Leonard	Eugene
Burgard, John Clark	Portland
Burgard, William Norman	Portland
Burton, William H.	Newport
Butler, Loren G.	Dallas
Bynon, Allen A.	Salem
Cake, Harold Haseltine	Portland
Calkins, A. Jeannette	Eugene
Callison, Henry Errett	Eugene
Campbell, Esther	Jennings Lodge
Campbell, Frank H.	Dallas
Campbell, Grace	Spokane, Wash.
Campbell, Thomas, Jr.	Hermiston
Carlson, Guy W.	Deadwood, South Dakota
Carpy, Willard Warwick	La Grande
Caroll, Cleome	Eugene
Carson, Elizabeth Huey	Hood River
Cartwright, Constance	Salem
Casebeer, Lloyd	Eugene
Castle, Charles B.	Merced, Calif.
Cawley, Donald J.	Williamsport, Penn.
Cellars, James H.	Portland
Chambers, Mary H.	Eugene
Chambers, Victor	Cottage Grove

Name	*Home Address*
Chapin, Genevieve Daglish	Portland
Church, Ailcy Elizabeth	Portland
Church, Walter E.	Eugene
Churchill, Marie	Salem
Clark, Charles A.	Portland
Clark, Edward Gordon	Portland
Clark, Rankin Warner	Portland
Clarke, Sydney Bryant	Marshfield
Clarridge, Clarence C.	Baldwin, Kansas
Cochran, C. Harold	Medford
Cochran, Ina	Medford
Cogswell, Lucile	Portland
Cogswell, Marjorie	Milwaukie
Cole, George M.	Husum, Wash.
Collier, Charles H.	Eugene
Collier, Dorothy	Eugene
Collins, Russell E.	McMinnville
Colton, George T.	Portland
Colwell, Gladys Norene	San Francisco, Calif.
Conklin, Gladyes	Grants Pass
Conley, Clinton V.	Springfield
Cook, Samuel	Coeur d'Alene, Idaho
Cooper, Genevieve	Independence
Corbitt, C. B.	Woodburn
Cornell, Anson B.	Portland
Cornett, Imogene	North Yakima, Wash.
Cornog, Jacob R.	Boring
Cornwall, Margaret Denton	Gardiner
Cornwell, Thomas H.	Williamsport, Penn
Corpron, Douglas Squire	North Yakima, Wash.
Coshow, John Milton	Hood River
Cossman, James K.	Creswell
Couch, Ray M.	Island City
Cox, Edwin P.	Klamath Falls
Cox, Nellie	Eugene
Cox, Terressa	Ontario
Craighead, Retta Frances	Superior, Colo.
Crandall, Charles Kern	Vale
Crockatt, Peter Campbell	Opportunity, Spokane, Wash.
Croner, Charles H.	Eugene
Crosby, Eulalie Palmer	The Dalles
Crosby, Margaret Frances	Riddle
Cross, Georgiana	Oregon City
Crowell, Dean P.	Albany
Crump, Helen Marie	Eugene
Currey, Helen Clare	La Grande
Cushman, Bess	Brownsville
Cushman, Lela	Brownsville
Cutsforth, Thomas Darl	Riddle
Dahlberg, Edith Margaretta	Grants Pass
Daly, John Stephen	Conrad, Mont.
Davis, Charles E.	Grass Valley
Davis, George W.	Portland
Dawson, Cloyd	Tillamook
De Bar, Bryant	Eugene
DeLano, Helene	Eugene
Denn, Joseph A.	Roseburg
DePue, Frances M.	Springfield
Dersham, Eldred Wayne	Creswell
Dickerson, Rollien	Eugene
Dill, Eileen	Springfield
Dimm, Walter R.	Eugene
Dinneen, Lawrence	Portland
Dixon, George B.	Eugene
Dolph, John Mather	Portland
Dominique, Ellen	Hillsdale
Donaca, Thos. G.	Lebanon
Donald, James T.	Baker
Dorr, Edwin L.	Eugene
Dorris, Ben F., Jr.	Eugene
Dorris, Ruth	Eugene
Dougherty, Mona	Wallowa
Downard, Dorothy Honore	Portland
Downing, Hazel	Salem
Downing, Helen	Portland
Doyle, Helen	Staten Island, N. Y.
Dresser, Helen Marion	Eugene
Driscoll, Agnes	Bly
Driscoll, Joanna	Bly
Dudley, Glenn G.	Athena
Dunbar, Ellen Dorothy	Astoria

Name	*Home Address*
Dunbar, Fred B.	Klamath Falls
Dundore, Charles Harold.	Portland
Dunlap, Agnes	Central Point
Dyott, Gaven	Portland
Eakin, Wallace C.	Astoria
Earl, Robert W.	Cottage Grove
Ebinger, John	Tillamook
Edgington, Grace H.	Hood River
Edwards, Thomas D.	Eugene
Egan, Homer W.	Gervais
Elder, John Nelson	Heppner
Elliott, John J.	Salem
Epping, Adrienne	Hood River
Erdmann, Clara Agnes	Elmira
Estes, Elva Elizabeth	Eugene
Fagan, M. Howard	Eugene
Fancher, Charles R.	Eugene
Fee, Chester Anders	Pendleton
Feese, George Harold	Klamath Falls
Fenton, Charlie Roberta	Portland
Fenton, Francis Boyce.	McMinnville
Ferguson, Mina	Portland
Fields, Russell B.	Salem
Finneran, John E.	Eugene
Fisher, Gladys	Eugene
Fitzgibbon, J. Harold	Portland
Fitzmaurice, Robert M.	Condon
Flagg, Gertrude Margaret	Vancouver, Wash.
Flegal, Bruce	Eugene
Fleischman, Benjamin G.	Eugene
Fleischman, Earl Emery	Eugene
Fleming, Raeman T.	Portland
Fletcher, A. Meader	Eugene
Flynn, Richard B.	McMinnville
Ford, Bert	Salem
Ford, Hugh P.	Eugene
Ford, Neal K.	Eugene
Foster, Byron Kimball	Eugene
Foster, Eunice C.	Eugene
Foster, Evelyn Miriam	Eugene
Foster, Wilmot C.	Astoria
Foulkes, Laura Celeste	Portland
Fraasch, Edel	Eugene
Fraley, Rita E.	Eugene
Fraley, Ruth Cornelia	Portland
Frye, Mildred	Portland
Furney, Leo A.	Astoria
Furuset, Ester	Eugene
Galloway, J. F. T.	Elgin
Garbade, T. Edgar	Portland
Garrett, Vernon G.	Medford
Gaylord, Beatrice	Tillamook
Geary, Roland Woodbridge	Portland
Gehr, Aileen	Portland
Geiser, Anne	Baker
Geisler, Carlyle Dressler	Portland
Gerig, Mildred	Medford
Gibsen, Ethel	Eugene
Gilbert, John DeWitt	Astoria
Gilfilen, Herman Maxwell	Bellingham, Wash.
Gillette, Albert J., Jr.	Eugene
Gilstrap, Cosby.	Los Angeles, Calif.
Gladden, Lester Robert	Vida
Good, Gene	La Grande
Goodwin, Marsh H.	Eugene
Goreczky, Oscar J.	Boise, Idaho
Gorman, Raymond E.	Cathlamet, Wash.
Gorrie, James L.	Springfield
Gorrie, Margaret Mae	Springfield
Gould, N. Ordway	Portland
Goulet, Minnie	Dorena
Gram, Alice Margaret	Portland
Gray, Edward E.	Eugene
Gray, Lois Elizabeth	Eugene
Grebe, Walter H.	Portland
Griffin, Clinton	Oregon City
Groman, Dorothy Hermine	The Dalles
Gross, Joy	Portland
Gross, Marguerite Lucas	Portland
Groupe, Charles Olaf	La Grande
Guy, Percy Field	Eugene
Hadley, Evah F.	Newberg
Hadley, Olin C.	Turner
Haines, Charles Albert.	Marshfield

Name	*Home Address*
Haines, Leland H.	Klamath Falls
Hainline, Lloyd Burton	Portland
Hales, Annie Irene	Klamath Falls
Hales, Elizabeth Margaret	Eugene
Hall, Clytie Beryl	Eugene
Hall, Howard A.	Eugene
Hamilton, Helen Jane	Roseburg
Hampton, Claud	Pendleton
Hamstreet, Harold	Sheridan
Hanssen, Hertha I.	Eugene
Hardesty, Fred Archibald	Astoria
Hargreaves, Harry H.	Milwaukie
Harriman, Arthur A.	The Dalles
Harriman, Edna Cornelius	The Dalles
Harriman, Fred E.	Eugene
Harriman, Nellie H.	The Dalles
Harris, Jessie	Milwaukie
Hart, Hallie Ruth	Portland
Hartley, Albert C.	Silverton
Hartley, Irwin Nordahl	White Hall, Wis.
Hartley, Jessie Marie	Silverton
Haseltine, William Ambrose	Portland
Hawkins, Margaret Mary	Portland
Hayden, Ella	Springfield
Hayes, Beulah	Portland
Haylor, Don R.	Portland
Hays, Robert Raymond	Portland
Heath, Frances C.	Eagle Point
Heckart, Earl William	Eugene
Hedges, Joseph Charles	Oregon City
Hedrick, E. H.	Drain
Heess, Cornelia Wilhelmina	Portland
Heidenreich, Henry W.	La Grande
Henderson, G. Clair	Portland
Hendricks, Leland Giesy	Salem
Hendricks, Paul	Salem
Hentze, Ejner	Junction City
Heskett, Lola Maude	Wallowa
Heusner, William Bates	Portland
Higgins, Eva G.	Thurston
Hill, Mary Alice	La Grande
Hill, Maurice B.	Athena
Hinson, Dell	Springfield
Hislop, Mary	Superior, Wis.
Hoerr, Ruth Pauline	Lebanon
Hoisington, Louis B.	Eugene
Holbrook, Norman Bruce	Portland
Holcomb, Blair	Portland
Holman, Edna Barbara D.	Oregon City
Holmes, Ruth Doris	Tillamook
Holt, William P.	Holland, Texas
Hosford, Cora	Portland
Hough, Rieta C.	Eugene
Howard, Elmer J.	Grants Pass
Howard, Thornton W.	Oregon City
Howe, Henry	Eugene
Howell, James F.	Wasco
Huang, He-Sheng	Portland
Hubbell, Doris Elise	Eugene
Huggins, George Chester	Salem
Huggins, Lucile	Portland
Humbert, Harold Franklin	Eugene
Humbert, Madge Pearl	Eugene
Hunt, Irene M.	Roseburg
Hunter, Giles, Jr.	Roseburg
Hunter, Jennie	Roseburg
Huntington, Charles A.	The Dalles
Huntsberry, Jose Lorena	Vancouver, Wash.
Hurd, Lucile Hester	Florence
Hurd, Lionel Roscoe	Florence
Husband, Evangeline A.	Eugene
Huston, John W.	Heppner
Hyde, Maurice H.	Portland
Hyland, Lester A.	Eugene
Ingalls, Berenice Ruth	Eugene
Ingham, Mary DeEtta	Portland
Irvine, N. Elmer	Arlington
Jackson, Leon Shelton	Portland
Jacobson, Esther	North Powder
Jaureguy, Anthony	Tacoma, Wash.
Jaureguy, Nicholas	Tacoma, Wash.
Jayne, Roger	Portland
Jenkins, Wilford Gladden	Eugene
Jerard, Bertrand S.	Pendleton
Jerard, Leura	Pendleton

Name	*Home Address*
Johns, Helen	Pendleton
Johns, Mary A.	Pendleton
Johnson, Aline	Portland
Johnson, Frank Henry	Eugene
Johnson, Ida	Eugene
Johnson, Roy	Gresham
Johnston, Alfred H.	Portland
Johnston, Kathryn	Dufur
Johnston, Trenton	Portland
Johnstone, Malcolm MacLaren	Arlington, Wash.
Jordan, Melvin H.	Corvallis
Kay, Edward Rector	Spokane, Wash.
Keithley, Erma R.	Portland
Kellems, Homer F.	Eugene
Kellems, Vera Edwards	Eugene
Kellems, Vivien	Eugene
Kem, Myrtle	Cottage Grove
Kendall, Florence O.	Portland
Kennon, Walter Smith	Baker
Kiddle, Fred E	Island City
Killam, Roberta	Portland
Killingsworth, Flawnnice	Portland
Kincaid, Bertha	Ashland
King, Clent	Tillamook
Kinsey, Georgia	Eugene
Kirk, Walter G.	Salem
Kirkpatrick, Hugh R.	Lebanon
Kirkpatrick, Katherine J.	Lebanon
Kletzing, Jeannette	Eugene
Knight, Hazel	Dallas
Knighten, Wiley W.	Grass Valley
Kostoff, Jordan	Portland
Koyl, Carolyn S.	Eugene
Krause, Emma Marie	Oberlin, Ohio
Kresse, A. F. Walter	Hood River
Kuck, Harry L.	The Dalles
Lackey, William E.	Eugene
Ladd, Lois M.	Portland
Langley, Robert William	Portland
Laughlin, Lois	Carlton
Lawrence, Ruth C.	Medford
Leche, David H.	Portland
Lee, Jean Ivan	Eugene
Leffel, Homer Volney	La Grande
Leiter, Alice Louise	Portland
Leonard, Edmond	Portland
Lieuallen, Hugh C.	Athena
Lilly, Beatrice	Portland
Lind, Edgar	Portland
Little, Hubert William	McMinnville
Littler, Lillian	Eugene
Lloyd, Sylva Cecil	Halfway
Lloyd, Martin	Van Alstyne, Texas
Locke, Beatrice May	Portland
Lockerbie, Harold Gordon	Dryad, Wash.
Lombard, Clarence E.	Eugene
Lombard, Henry W.	Eugene
Lombard, Nellie	Eugene
Loucks, Elton C.	Portland
Loucks, Ethel Mae	Portland
Loucks, Paul William	Brownsville
Lowry, Charles Silcott	Eugene
Lucas, Bernice	Portland
Lynch, Thomas Charles	Kellogg, Idaho
Machen, Marjorie Edith	Springfield
Mackenzie, Grace S.	Portland
Maddock, Creston R.	Castle Rock, Wash.
Maison, Harold	Portland
Malarkey, Leo John	Warrenton
Mallagh, Alfonso E.	San Luis Obispo, Calif.
Mann, Frances	Springfield
Mann, Lawrence Cline	Portland
Mann, Margaret	Springfield
Manning, Louise	Portland
Marshall, Curtis Melvin	Eugene
Marshall, Edison	Medford
Martin, R. Elmer	Ardmore, Okla.
Martyn, Wallace H.	Portland
Matson, Walter J.	Astoria
Matthews, Ada	Cottage Grove
McAlister, Cecile	Eugene
McCloskey, Reta Myrl	Myrtle Point
McConnell, Bruce	Merced, Calif.
McClure, Nellie	Eugene

Name	*Home Address*
McCormick, Edith Vaughn	Eugene
McCornack, Helen	Spokane, Wash.
McCown, Ernest K.	Vancouver, Wash.
McCulloch, Howard T.	Portland
McDonald, Joseph Howard	Eugene
McFadden, Hobart	Junction City
McFarland, Myra E.	Eugene
McGavern, Sanford A.	Eugene
McGilchrist, Millar E.	Salem
McGuire, John E.	Eugene
McGuire, Marjorie	Portland
McHatton, Charles G.	Oakland, Calif.
McIntire, Doris Helen	Auburn, Wash.
McLaren, Mary Jennette	Hillsdale
McLean, Joseph Scott	Eugene
McLean, Ruth Orpha	Eugene
McMurray, William Robert	Portland
Medley, Dorris William	Cottage Grove
Meek, Delphie H.	Coburg
Melzer, Frederick E.	Baker
Merriam, Howard Sumter	Eugene
Merrick, Emerson P.	Medford
Messinger, Vivian	Eugene
Michael, Samuel F.	Portland
Miller, Agnes	Spokane, Wash.
Miller, Gertrude C.	Moscow, Idaho
Miller, J. Chester	Portland
Miller, Lillie S.	Pioneer
Miller, Mable S.	Eugene
Miller, Marjorie Viola	Eugene
Miller, Walter Herman	Portland
Milne, Ralph Franklin	Elgin
Minturn, Elizabeth Leona	Eugene
Mitchell, Clifford S.	San Francisco
Moffat, Vera M.	Eugene
Montague, John R.	Portland
Monteith, Orville	Portland
Montgomery, W. J.	Portland
Moores, Kenneth	Salem
Moorhead, Josephine	Junction City
Morehouse, George P.	Eugene
Mornhinweg, Homer	Halsey
Morris, T. True	Eugene
Morris, Victor P.	Eugene
Morrison, Earl Richard	Eugene
Morton, Robert E.	Estacada
Mountjoy, Lee M.	Eugene
Moxley, Edith Frances	Eugene
Moxley, Fred B.	Eugene
Muirhead, Walter Harvie	Portland
Myers, Walter L.	Eugene
Nail, J. Ernest	Klamath Falls
Naylor, Carl A.	Salem
Neil, Marian	Portland
Neill, May	La Grande
Neil, Turner	Portland
Nelson, Clarence N.	Eugene
Nelson, Charles Richard	La Fayette
Nelson, Martin	Astoria
Nelson, Richard	Eugene
Newbury, Donald R.	Medford
Newbury, Maude R.	Medford
Newcastle, Charles C., Jr.	Portland
Newland, Ethel	Eugene
Newland, Nellie	Eugene
Nickelsen, William Donald	Hood River
Noren, Oscar E.	Portland
Normandin, Herbert	Portland
Northrop, Katharine	Payette, Idaho
Nye, Ruth Theresa	Medford
O'Farrell, Mary E.	Eugene
Ogle, C. LeRoy	Woodburn
Oliver, Hugh Warren	Eugene
Olmstead, Vera	Medford
Onthank, Donald G.	Hood River
Orem, Roy Louis	Klamath Falls
Orput, Don T.	Eugene
Packwood, Fred William	Portland
Page, Miriam	Eugene
Pandit, Maganlal	India
Papas, James F.	Portland
Parcell, Charles W.	Portland
Park, Andrew T.	Eugene
Parks, Lois	Junction City

Name	*Home Address*
Parmley, Loren F.	Ipswich, S. D.
Parr, Lynn A.	Woodburn
Parsons, John F.	Portland
Parsons, Walton Winfield	Eugene
Patterson, Chalmer N.	Eugene
Payne, Floyd E.	Buenos Ayres, Arg., S. Amer.
Peacock, Alfred Bertram	Portland
Pearce, Florence	Lewiston, Idaho
Pearce, Ramsay Walker	Lewiston, Idaho
Pearce, Mabel Ruth	Eugene
Pearson, Alex	Eugene
Penberthy, Gladys	Grand Junction, Colo.
Pendleton, Carl W.	Lakeview
Pengra, Arthur Harlow	Eugene
Perkins, Bernice	Baker
Perkins, Leah	Cottage Grove
Perkins, Neva J.	Cottage Grove
Perkins, Vera Evelyn	Springfield
Peterson, Veola	Sutherlin
Petersen, Virginia	Astoria
Petzold, Erna Eleonore	Oregon City
Phelps, Victory T.	Portland
Philbin, David	Portland
Philips, Clyde E.	Portland
Phillips, Helen	Salem
Phinney, George Nelson	Eugene
Plath, Lydia C.	Fall Creek, Wis.
Platt, Julia Carpenter	Portland
Pobst, Leonidas Sherman	Baker
Polhemus, Harriette Mary	Portland
Potter, Leo A.	Eugene
Pourie, James Emmett	Drain
Powell, Earle Scott	Springfield
Powers, Lucy Mary	Marshfield
Pratt, Margaret M.	Eugene
Prestel, Harold Gordon	Eugene
Proctor, Henry Guy	La Grande
Prosser, Robert H.	Eugene
Pugh, Russell A.	Portland
Purdy, Jessie	Medford
Purington, Helen	Burns
Purvance, Myrtle	Cottage Grove
Putnam, Ralph B.	Eugene
Putnam, Rex	Springfield
Quisenberry, Russell A.	Eugene
Radabaugh, Hazel Josephine	Pleasant Hill
Rader, Hazel V.	Medford
Raley, Claire	Pendleton
Ralston, Hazel Laura	Portland
Ralston, Rolla E.	Albany
Ralston, Russell Clyde	La Grande
Ramage, Mary Frances	Eugene
Ramage, William D.	Eugene
Rankin, Hazel	Eugene
Rasor, Hazel Phon	Riddle
Rathbun, Emmett	Portland
Rebec, William George	Medford
Reed, Grace	Merlin
Reed, Marian	Merlin
Reigard, Max	Marshfield
Reigard, Pearl Marie	Marshfield
Reynolds, Clarence W.	Eugene
Richardson, Grace A.	Park City, Utah
Riddle, Mildred	La Grande
Riggs, Robert Milton	Klamath Falls
Risley, Jacob S.	Milwaukie
Risley, Olive Ann	Milwaukie
Roberts, Donald Clarke	Astoria
Roberts, Gladys	Eugene
Roberts, Loren C.	The Dalles
Robinson, Helen Fowler	Eugene
Robinson, J. Kenneth	Portland
Roche, Ruth	Eugene
Rogers, Edythe Alwida	Portland
Rorden, Myrtle	The Dalles
Ross, Helen Marie	Eugene
Rossman, John Harold	Portland
Rothrock, Ruth	Athena
Rugh, Irene Gertrude	Eugene
Rugh, Harold W.	Eugene
Ruth, John	Eugene
Rutherford, Ellwyn	Eugene
Ryan, William B.	Portland
Saunders, Cecil Allen	Richland
Scaiefe, Frank	Eugene
Schaefer, Katie O.	Portland
Schenk, Frances Wilhelmina	Eugene

Name	*Home Address*
Schmidt, Ben H.	North Yakima, Wash.
Scholl, Augustus P.	Portland
Schwan, William Joseph	Seattle, Wash.
Scott, Paul L.	Springfield
Scott, Randall B.	Springfield
Sears, Charlotte Strong ..	Eugene
Sears, Ruth W.	Eugene
Sengstake, Cord, Jr.	Portland
Service, William Ralph .	Silverton
Sexton, Harold	Eugene
Sexton, Velma	Eugene
Shaffner, Grant W.	Eugene
Sharp, Clayton A.	Portland
Shaver, Genevieve	Portland
Sheahan, Joseph William	Oregon City
Sheahan, Marie Berta.	Oregon City
Sheehy, James S.	Portland
Shepherd, Lucile	Portland
Sherman, Florence	Eugene
Sherwin, Mrs. Lillian Fenn	North Haven, Conn.
Sherwood, Gretchen	Coquille
Shetterly, Kenneth E. .	Willamina
Shockley, Glenn	Baker
Shoemaker, Frances Eleanor	Eugene
Sieler, Rose	Spokane, Wash.
Simkins, Cleveland	Salem
Simmons, Edmund W. ..	Portland
Sims, Henry W.	Eugene
Slater, Anita	Portland
Smith, Earl M.	Eugene
Smith, Mabel B.	The Dalles
Smith, Myrtle E.	The Dalles
Snell, Coralie	Junction City
Snider, Roy Benell .	Weiser, Idaho
Snyder, William Carrol	McMinnville
Soderstrom, Olga Zenobia .	Divide
Sommer, Max H.	Portland
South, F. Floyd ..	Tehama, Calif.
Spangler, Margaret N. ...	Eugene
Sparkman, Annabel M. ...	Eugene
Sparkman, Neil	Eugene
Spellman, Sterling	Ontario
Springer, Marian	Eugene
Stafford, Esther B.	Eugene
Staiger, Franklin W. ...	Portland
Stanfield, Katherine May.	Portland
Stannard, Amy Nivison .	Ashland
Stanton, Glenn	Portland
Stanton, Raymond W. ...	Eugene
Starbuck, Winifred	Eugene
Starr, Hubert	Eugene
Stater, Wayne J.	McMinnville
Staub, Raymond R.	Portland
Stauffer, Margaret	Portland
Stebno, Beulah Annette ..	Eugene
Steiwer, Lyle	Jefferson
Steiwer, Ruby M.	Jefferson
Stephens, Cecil Roy ...	Philomath
Stephens, Roy Thomas ..	Portland
Stevenson, Mary Frances .	Medford
St. Martin, Willard	Eugene
Stoddard, Milton A. ..	La Grande
Strang, A. Jessup	Salem
Stroud, Mabel May	Eugene
Sutton, Irwin Coleman, Jr.	Portland
Swanson, Carmen	Salem
Sweek, Cyrus A.	Burns
Sweeney, Raymond Joseph	Kelso, Wash.
Sweeney, Ruth Vanita	Kelso, Wash.
Swenson, Engelbrekt August	Lindsborg, Kansas
Swinson, Fred Leigh	Monroe
Tallman, Arthur Folsom.	Pendleton
Tatsugami, Tetsutaro	Fukui-Ken, Japan
Taylor, Constance Salome.	Portland
Taylor, Gertie	Albany
Taylor, H. Caroline	Eugene
Tegart, Richard Lloyd ..	Gresham
Thienes, Clinton Hobart .	Eugene
Thomas, Edward Jay	Eugene
Thompson, Clark W,. Jr.	Cascade Locks
Thorsett, Henry L.	Eugene
Tinker, Martha Wendiate .	Eugene
Tinker, Miriam	Eugene
Tischer, Mary H.	Eugene

Name	*Home Address*
Tisdale, Charles Henry	Sutherlin
Tobey, Myrtle Grace	Eugene
Tolpolar, Anne Louise	Oregon City
Tom, Bernice Ithiel	Alsea
Tominaga, Joe	Seattle, Wash.
Tooze, Lamar	Salem
Tooze, Leslie O.	Salem
Tostevin, Fred	Eugene
Townsend, Aileen	Portland
Tozier, Jewel Maryan	Eugene
Tranter, Edwin F.	San Francisco, Calif.
Tregilgas, Harold Richard	Portland
Trezise, Edith	Superior, Colo.
Truman, Cora	Eugene
Tuerck, William Paul	Portland
Turner, Bryan	Salem
Turnure, Harold	Portland
Tuttle, Marion A.	Eugene
Vanvolkinburgh, Ellen	Clatskanie
Van Zante, Mabel	Portland
Vawter, William I.	Medford
Veal, Roberta	Albany
Vosper, Ernest Edward	Portland
Wagner, Carroll M.	Ashland
Walker, Eyla Louene	Corvallis
Waller, Orville	Eugene
Warner, Ivan E.	Eugene
Watkins, Hugh Ernest	Bowden
Watson, James L.	Vancouver, Wash.
Watson, Katharine	Eugene
Watson, Lucile Carmen	Spokane, Wash.
Webber, Vera E.	Eagle Cliff, Wash.
Weiss, Mandell	Portland
Weiss, Zeno Francis	Elgin
Welch, John	Portland
Wells, Harold J.	Eugene
Wells, Helen Gertrude	Eugene
Wells, J. Andre	Eugene
Wells, Wayne W.	Eugene
Werlein, Helen Clare	Portland
Westerfield, Floyd C.	Grass Valley
Westfall, Ruth A.	Eugene
Wetzel, Helen M.	Eugene
Whallon, Owen D.	Nampa, Idaho
Wheeler, Dorothy	Eugene
Wheeler, Glanville C.	Eugene
White, Bertha Pearl	The Dalles
White, Walter E.	McMinnville
Wiegand, Helen L.	Portland
Wiest, O. P.	Little Rock, Ark.
Wilhelm, John	Portland
Wilkins, Gladys	Eugene
Wilkins, Juanita	Eugene
Wilkinson, Dorothy	Eugene
Williams, Leone	Dallas
Williams, Marjory Mae	Eugene
Williams, Melba I.	Eugene
Williams, Vera	Eugene
Wilson, Alva	Glendale
Wilson, David Hilbert	Roseburg
Wilson, Kent	Oregon City
Wilson, Ruth Ann	Talent
Willson, Frank H.	Dallas
Winship, George A.	Athena
Winther, Sophus Keith	Irving
Withycombe, Mary I.	Yamhill
Withycombe, P. Helen	Yamhill
Witousek, Margaret Clara	Cedar Rapids, Iowa
Witty, Jesse	Elgin
Wolff, Diedreich	The Dalles
Woods, Laird V.	Dallas
Woodruff, Mildred Arvill	Portland
Woodworth, Melvin M.	Albany
Woody, Lauren T.	Palouse, Wash.
Wootton, Betsy Westerdale	Astoria
Wray, Frank V.	Silverton
Wrightson, Hermes H.	Portland
Wymore, Hazel	Portland
Zahl, Echo June	Portland
Zimmerman, Darl	Eugene
Zimmerman, Erma McKee	Eugene

MEDICAL SCHOOL.

Seniors.

Name	*Home Address*
Anderson, Walter R.	Portland
Blair, Harry Clyde	Tacoma, Wash.
Bloom, Charles F.	Mill City
Emery, Mark W.	Gresham
Hart, Frank Cleveland	St. Johns
Hirata, Tokuji	Portland
Jackson, Ivan Charles	Cornelius
Jones, William J.	Portland
Lupton, Irving Martin	Portland
Margason, Eldridge G.	Shedds
Miller, William L.	Saginaw, Mich.
McNerthney, W. B.	Tacoma, Wash.
Palmer, Dorwin L.	Portland
Palmer, Harold C.	Portland
Prime, Glenn Edward	Portland
Rattner, Charles George	Portland
Rice, Earlé Milford	Wellsville, New York
Rinehart, Jackson Carle	Portland
Schmidt, Paul A.	Oregon City
Steelhammer, W. Wm.	Silverton

Juniors.

Belknap, Horace P.	Prineville
Black, Walter W.	Beverly, Mass.
Butler, Frank E.	Salem
Carter, Charles W.	Portland
Harding, Harry Sweek	Portland
Hughes, John Patrick	Heppner
Lawton, Floyd B.	Eugene
Lewis, Claude Allen	Springbrook
Munley, William Charles	Portland
McColl, Charles Rafferty	Gresham
Pomeroy, R. E.	Salem
Sherwood, Robert A.	Portland
Thompson, Wilbur H.	Gresham
Trommald, J. A.	Portland
Ulvin, Henry A.	Silverton
Waltz, Ray M.	Monroe

Sophomores.

Dell, James Francis, Jr.	Portland
Daus, Ernest A.	Weiser, Idaho
Dellar, Isaac	Portland
Hart, Lucille	Albany
Hendershott, Roy W.	Tiffin, Ohio
Lamb, Earnest D.	Eugene
Levy, Murray M.	Portland
Lieser, Ralph L.	Vancouver, Wash.
Loundagin, J. A.	Portland
Power, Marion N.	Sande Luca, Wash
Thatcher, Herbert Van H.	Portland
Thielemann, Otto R.	Portland
Tyler-Smith, Thurlow	Sheridan

Freshmen.

Allen, Anson G.	Astoria
Bran, Hugh H.	Portland
Carr, Else H.	Montesano, Wash
Clancy, Frank J.	Seattle, Wash.
Checkos, Nicholas S.	Portland
Darby, John Jewett	Pomeroy, Wash.
Duffner, Mary Lena	Chicago, Ill.
Farrior, John B.	Portland
Fortmiller, George E.	Albany
Gaston, Ira E.	Astoria
Ghormley, James C.	Estacada
Holsclaw, Ren L.	Oregon City
Jasper, Edward J.	Forest Grove
Jewell, Jesse Dale	Portland
Keizer, Russell	Portland
Landis, Richard P.	Albany
Lloyd, Irving E.	Tumwater, Wash.
Melchior, Michael J.	Tillamook
Montgomery, George W.	Falls City
Okamoto, Rikicadzu	Portland
Rueter, Kathryn	Portland
Rowell, Lee A.	Portland
Smalley, Robert B.	Seattle, Wash.

Name	*Home Address*
Shannon, Clarence W.	Seattle, Wash.
Stanard, Delbert C.	Portland
Swart, Dennis S.	Woodland, Wash.
Steinmetz, Eugene P.	Portland
Strong, Herbert L.	Portland
Taylor, J. Wesley	Spokane, Wash.
Warner, Douglas Holmes	Portland
White, Randall F.	Portland
Yeilding, Charles W.	Portland
Young, Ralph G.	Portland

SUMMER SCHOOL.

Adams, Burt A.	Gold Hill
Adams, Pauline	Grand Rapids, Mich.
Allen, Louise H.	Eugene
Allen, Marie Louise	Eugene
Anders, Edwin	Portland
Anderson, Carl F.	Oregon City
Anderson, Mrs. Emma Wilke	Oregon City
Ash, Ralph W.	Portland
Baker, Paul E.	Brownsville
Baldwin, Robert D.	New York City
Barnhart, A. L.	Falls City
Barnhart, H. E.	Falls City
Bean, Hawley J.	Salem
Beck, Callie	Eugene
Beebe, Frances M.	Eugene
Beebe, June	Eugene
Bell, Jean	Pioneer
Bertsch, Mabel	Springfield
Blankenbuehler, L.	Portland
Blumenauer, Florence	Portland
Bogynska, Joseph F.	Monmouth
Booth, Blanch	Eugene
Bowden, Florence	Corvallis
Briscoe, George A.	Ashland
Brown, Lois E.	Eugene
Brown, Mildred G.	Medford
Buell, Gertrude	Eugene
Cake, Helen M.	Portland
Carter, Hallie L.	Eugene
Cass, William Avery	Hood River
Chase, Emma	Eugene
Chase, Fanny	Albany
Cogswell, Lucile	Portland
Collins, C. I.	Eugene
Colton, George T.	Portland
Conkle, B. H.	Gresham
Cowgill, Alice A.	Medford
Crockatt, P. Campbell	Wasco
Curfman, E. R.	New Bridge
Currin, Hugh	Cottage Grove
Darling, Vera	
DeVore, Emily	Medford
Fenton, Charlie	Portland
Gardner, Lillian	Riverside, Calif.
Garrett, Vernon G.	Medford
Ghormley, J. C.	Eugene
Goodwin, Elmer F.	Eugene
Goodwin, Marsh	Eugene
Graves, Norma	Portland
Gray, June	Eugene
Hamilton, Helen Jane	Roseburg
Harding, B. G.	Gold Hill
Hartley, Grace	Eugene
Hendricks, Leland	Salem
Hoppes, W. C.	Junction City
Hoffmann, Cecilia	Eugene
Holt, Vesta	Eugene
Hoskins, Naomi M.	Eugene
Humbert, Harold F.	Eugene
Hurst, Mary S.	Jacksonville
Hussong, H. L.	Astoria
Hussong, Mrs. H. L.	Astoria
James, Howard M.	Silverton
Jamison, Homer B.	Portland
Jaureguy, Anthony	Tacoma, Wash.
Jenkins, Alice M.	Eugene
Kaiser, M. Armeda	Ashland
Keezel, E. L.	Monmouth
Kent, Mary E.	Eugene
Krause, Emma M.	Eugene
Kronenberg, C. T.	Fairview
Lake, James	The Dalles
Lane, E. Erie	Eugene
Livingston, W. K.	Eugene
Loucks, Ethel Mae	Portland
Lunn, Henry A.	Wrencoe, Idaho

Name	*Home Address*
Mackenzie, Grace S.	Portland
Maurer, Pansy	Eugene
McCormick, Vaughn	Eugene
McCoskey, Margaret E.	McMinnville
Merriam, Howard S.	Eugene
McCord, Jesse	Clatskanie
McCord, Mrs. Jesse	Clatskanie
McGavern, Sanford A.	Eugene
Michael, Samuel F.	Portland
Millan, G. W.	Ashland
Miller, Lillie	Pioneer
Miller, Marjorie V.	Eugene
Moffat, Vera	Eugene
Moore, Maude Cleona	Springfield
Morris, R. E.	Roseburg
Murphy, William P.	Portland
Okamoto, H. Rikicadzu	Bingo, Japan
Page, Elizabeth C.	Springfield
Park, A. T.	Eugene
Parks, Lois	Junction City
Patten, Alva	Forest Grove
Payne, Floyd	Athena
Perkins, Theda D.	Springfield
Pershing, H. C.	Lafayette
Petsch, Helen D.	Portland
Philbin, David	Portland
Pickett, David C.	Eugene
Polhemus, Harriette	Portland
Prater, J. Will	Ontario
Pratt, C. Harlow	Eugene
Pratt, Margaret M.	Eugene
Purkerson, Neil	Eugene
Purvance, Myrtle	Cottage Grove
Putnam, Rex	Springfield
Quigley, Harold W.	Portland
Rankin, Mabel	Eugene
Robinson, D. O.	Eugene
Scheckner, Sara	Eugene
Schepman, Fred	Halsey
Sears, Ruth W.	Eugene
Shaver, Genevieve	Portland
Sherwood, Gretchen	Coquille
Sims, Henry	Eugene
Spencer, Peter L.	Ashland
Stanfield, Katherine M.	Portland
Stansbury, Edyth B.	Central City, Neb.
Steele, Edna E.	Portland
Stephens, Roy T.	Portland
Still, Edith	Milton
Stroud, P. M.	Springfield
Taylor, Mary	Portland
Thomas, Raymond	Ashland
Thomas, Margaret V.	Anchor
Tooze, Ethel	Salem
VanDuyn Helen N.	Eugene
Vanvolkinburgh, Ellen	Clatskanie
Vawter, William	Medford
Waite, Mildred	Sutherlin
Warner, Raymond	Eugene
Watson, Mrs. A. E.	Portland
White, Bertha P.	The Dalles
White, Randall F.	Portland
Wight, D. W.	Yoncalla
Wilson, Sophia A.	Portland
Winnard, Winifred	Heppner
Wood, Lambert	Garden Home
Youell, Blaine T.	Hermiston
Young, Espar	Eugene
Zimmerman, Darl	Eugene

SCHOOL OF LAW.

Seniors.

Barbare, Nicholas J.	Portland
Berry, Benjamin A.	Vancouver, Wash.
Black, Harvey N.	Portland
Bradshaw, Robert C.	The Dalles
Brown, Valentine, Jr.	Portland
Burg, Quintin C.	Portland
Cabell, Rodolph W.	Portland
Chatterton, Charles Owen.	Portland
Coles, Blaine B.	Portland
Collins, William F.	Portland
Davis, Jay Earl	Portland
Dickson, Ashby C.	Portland
Dudley, Frank A.	Portland

Name	*Home Address*
Eastham, Barry C.	Portland
Estes, George	Portland
Failing, John C.	Portland
Fulton, Alan Clyde	Astoria
Gay, James Stroy, Jr.	Portage, Wis.
Glover, Helen Allmanda	Portland
Glover, Roy Henry	Portland
Gomyo, Isage	Portland
Gram, Arthur J.	Portland
Gritzmacher, Charles Henry	Portland
Hallock, Blaine	Portland
Herdman, Hugh Henry	Portland
Hess, Charles E.	North Powder
Johnson, J. George	Portland
Johnson, Philip R.	Portland
Kehoe, J. W.	Portland
Kelly, Thomas Ralph	Portland
Lagerfeld, Jos. A.	Portland
Lincoln, Reginald J.	Portland
MacKenzie, William J.	Portland
Mathison, Enoch E.	Deep River, Wash.
Mobley, David A.	Milwaukie
Moore, George E.	Portland
Moulton, Charles R.	Oregon City
Mulligan, Raymond J.	Portland
Murphy, George Earl	Portland
Murphy, Harry B.	Portland
McElroy, Willametta	Portland
McCoy, Horace L.	Portland
McGinn, William J.	Portland
McGrew, Frederic Emmett	Portland
McMenamin, Francis A.	Portland
Nagel, Julius Albert	Sheridan
Newton, Leverett T.	Portland
Nordling, A. B.	Portland
Norden, Benjamin Louis.	Portland
Oppenheimer, Eugene K.	Portland
Poole, Samuel W.	Portland
Raymond, Grant M.	Portland
Reed, Merrill A.	Portland
Rice, Frank A.	St. Johns
Scott, George F.	Portland
Shelton, Charles J.	Union
Smith, Frank G.	Portland
Spencer, Carlton E.	Portland
Taylor, Max C.	Portland
Taylor, Roy Cleveland	Portland
Trueblood, Harrison W.	Portland
Uji, Hidetaro	Portland
Ulrich, Orin J.	Portland
Walker, Dow V.	Portland
Wallsteed, George Thos.	Portland
Wentworth, Thad H.	Portland
Wold, Sigurd	Aberdeen, Wash

Juniors.

Arnold, Grace	Portland
Bailey, Edward F.	Eugene
Boche, P. F. A.	Portland
Boynton, Fred	Portland
Burbach, C. C.	Portland
Cake, Wm. M.	Portland
Carter, R. V.	Portland
Cohen, Aaron	Portland
Conn, Ben H.	Portland
Dean, W. W.	Portland
Dunlap, Wm.	Portland
Dwyer, John P.	Portland
Eckert, Paul Young	Portland
Edwards, O. G.	Portland
Frazer, Kenneth	Portland
Fraley, E. L.	Portland
Funk, George R.	Portland
Greene, C. H.	Portland
Green, G. L.	Portland
Hammond, J. W.	Portland
Hart, J. Arnold	Portland
Hatfield, Roy H.	Portland
Hazard, H. B.	Portland
Haizlip, W. R.	Portland
Hendrickson, C. H.	Portland
Hollister, R. F.	Portland
Hummel, Fred W.	Portland
Illidge, Wm. A.	Portland
Keller, W. G.	Portland
Kibbee, Wallace L.	Portland

Name	*Home Address*
Kincaid, M. B.	Portland
King, Frances	Portland
Kreason, Robert S.	Portland
Lansing, Ted	Portland
Macfarland, S. F.	Portland
Magius, E. J.	Portland
Maguire, Thos. H.	Portland
Mattley, Maud	Portland
Meldrum, Don E.	Oregon City
Merediths, George	Portland
Miller, Sol	Portland
McBride, F. R.	Portland
McCarl, R. S.	Portland
McGinty, F. P.	Portland
McManus, M. T.	Portland
Neilson, G. W.	Vancouver, Wash.
Neulen, E. Nelson	Portland
Ordemann, E. L.	Portland
Pinder, Edgar	Portland
Potter, C. T.	Portland
Read, Ralph F.	Portland
Roberts, W. E.	Portland
Sauvie, Louis	Portland
Schaefer, Louis	Vancouver, Wash.
Schramm, R. A.	Oak Grove
Shanks, W. S.	Portland
Sherwood, H. M.	Portland
Smith, W. F.	Portland
Solomon, E. J.	Portland
Southard, E. E.	Portland
Stevens, W. W.	Portland
Stone, E. B.	Portland
Stoughton, T. D.	Portland
Streibig, F. J., Jr.	Portland
Wagner, Lou	Portland
Warner, Harold	Portland
West, James	Oregon City
Vanstrom, A. E.	Portland

FRESHMEN.

Alber, N. Ray	Portland
Anderson, R. S.	Portland
Bain, J. K.	Portland
Barthing, R. L.	Portland
Beatty, B. E.	Portland
Blair, G. F.	Portland
Breske, Henry	Portland
Bristol, C. M.	Portland
Buck, Frank L.	Portland
Buckley, R. J.	Portland
Burdon, Leo S.	Oregon City
Butler, W. A.	Portland
Campbell, D. J.	Portland
Carrico, W. E.	Portland
Carson, Joe	Hood River
Dalton, Alta Marian	Portland
Desky, C. H.	Portland
Douglas, D. E.	Marshfield
Dowling, E. H.	Portland
Durkheimer, S. F.	Portland
Dwyer, Edward	Portland
Eaton, LeRoy	Oregon City
Evans, D. A.	Portland
Flannigan, J. P.	Portland
Gillespie, W. H.	Portland
Grebe, Charles T.	Portland
Hartley, L. W.	Portland
Hawkenson, A. J.	Portland
Hawkins, E. R.	Portland
Howe, Charles F.	Portland
Hughes, R. C.	Portland
Hyland, J. A.	Portland
Johnson, F. R.	Portland
Jones, June S.	Portland
Jones, William H.	Portland
Kenney, D. J.	Portland
Liggett, J. A.	San Diego, Calif.
Martin, Richard	Portland
Middleton, J. S.	Portland
Millais, J. A.	Portland
Milton, Darrell	Portland
Minor, E. J.	Portland
Moores, Chester A.	Portland
Morton, E. M.	Astoria
Mozorosky, N.	Portland
McAllen, Edward	Portland
McCann, A. J.	Portland
McCoy, A. B.	Vancouver, Wash.
McGreal, J. J.	Portland
McMullen, Dale	Vancouver, Wash.
McNeil, F. H.	Portland
McPherson, O. H.	Portland

Name	*Home Address*
Noble, E. J.	Oregon City
O'Connell, Allen	Portland
Olsen, A. S.	Portland
Parks, M. T.	Portland
Peterson, G. Herman	Portland
Pickett, David	Portland
Powers, Paul B.	Portland
Reames, C. W.	Portland
Robbins, P. A.	Portland
Rogers, Newton	Portland
Sannella, Francesco	Portland
Scudder, J. S.	Portland
Shea, Leo	Portland
Steele, Amos L.	Portland
Swope, C. A.	Independence
Thomas, Sam	Portland
Walsh, Edward J.	Portland
Windus, H. L.	Portland
Yuyama, Shigezo	Portland

SCHOOL OF MUSIC.

Abbett, Ferris	Eugene
Adams, Louise	Silverton
Allen, Mignon	Astoria
Archer, Gladys	Eugene
Auld, Lillian	Eugene
Baker, Robert	Eugene
Bartman, Evelyn	Springfield
Barr, LaThelma	Eugene
Barrett, Alice	Eugene
Bean, Elizabeth	Eugene
Bean, Marcel	Eugene
Beattie, Mariette	Eugene
Beck, Mrs. Anna	Long Beach, Cal.
Bennett, Frank	Eugene
Bodge, Janice	Eugene
Booth, Mrs. Floyd	Eugene
Bossen, Mrs.	Eugene
Bossen, Grace	Eugene
Brewster, Miss	Eugene
Bristow, Evelyn	Eugene
Bristow, Greta	Eugene
Brock, Eva	Hood River
Brown, Elaine	Eugene
Brown, Leland L.	Baldwin, Kan.
Bryson, Lyle	Eugene
Bryson, Roy	Eugene
Buoy, Beatrice	Eugene
Calkins, Jeannette	Eugene
Calkins, Madge	Eugene
Calvert, Anna	Eugene
Cameron, Margaret	Eugene
Casebeer, Lloyd	Medford
Cherry, Irene	Eugene
Clapp, Helen	Eugene
Clark, Rankin	Portland
Coglon, Mrs. R. B.	Eugene
Coleman, J. H.	Eugene
Corbett, C. B.	Eugene
Cornwall, Margaret	Sutherlin
Craighead, Rietta	Denver, Colo.
Crosby, Margaret	Eugene
Crouch, Thelma	Springfield
Crump, Russell	Eugene
Dale, Amy	Eugene
Davis, Ruth	Eugene
DeBar, Mary	Eugene
Dixon, Dorothy	Eugene
Dixon, Mrs. Thomas	Eugene
Dolph, John	Portland
Dougherty, Mona	Wallowa
Dresser, Helen	Eugene
Dunn, Lucile	Eugene
Eaton, Betty	Eugene
Edwards, Genevieve	Eugene
Elpass, Vida	Eugene
Farriss, Jessie	Eugene
Fell, Mrs. W. P.	Eugene
Fellman, Rola	Eugene
Fisher, Dora	Eugene
Fisher, Doreen	Eugene
Fisher, Gladys	Eugene
Fisher, Lorraine	Eugene
Flynn, Margaret	Eugene
Fonda, Mabel	Eugene
Forbes, Winifred	Eugene
Foster, Florence	Junction City
Fraash, Edel	Eugene
Fraley, Kathleen	Eugene
Franzova, Katherine	Eugene
Frasier, Brownell	Eugene

Name	*Home Address*
Frasier, Janet	Eugene
Gardner, Hattie Hyde	Eugene
Garrett, Hattie	Eugene
Gibson, Ethel	Eugene
Gilbert, Mrs. J. H.	Eugene
Gilbert, Helen	Eugene
Gilfrey, Maude	Creswell
Gillette, Albert	Eugene
Gillette, Mamie	Eugene
Gillies, Mary	Eugene
Gilstrap, Marian	Eugene
Graves, Elizabeth	Eugene
Green, Myrtle	Eugene
Groman, Dorothy	Odebolt, Iowa
Hadley, Evah	Newberg
Hampton, Gladys	Eugene
Hamstreet, Harold	Sheridan
Hansen, Esther	Eugene
Harris, Jessie	Astoria
Hendershott, Bessie	Eugene
Hendershott, Emo	Eugene
Hildebrand, Elsie	Eugene
Hill, Eva	Eugene
Hills, Gladys	Eugene
Hollis, Orlando	Eugene
Holman, Edna Barbara D.	Oregon City
Hosford, Cora	Portland
Hughes, Emery	Eugene
Hughes, John	Eugene
Hurd, Hester	Florence
Hurd, Roscoe	Florence
Huston, John W.	Heppner
Ingalls, Berenice	Eugene
Inman, Hildred	Eugene
Innis, Hattie	Eugene
Jacobson, Esther	Eugene
Johnson, Donald	Eugene
Johnson, Frank H.	Eugene
Jordan, Melvin	Eugene
Kellems, Homer	Eugene
Kem, Myrtle	Cottage Grove
Kennealy, Irma	Eugene
Kirk, Adna	Eugene
Kirkpatrick, Katherine	Lebanon
Kitchen, Eugenia	Eugene
Korn, Alfons	Eugene
Koyl, Charles	Eugene
Lake, Adelaide	Eugene
Lamb, Vida	Eugene
Lampshire, Gwendolen	Eugene
Larsen, Arthur	Eugene
Laughlin, Lois	Carlton
Lawrence, Ruth	Medford
Lidyard, Mrs Warrick E.	Eugene
Linn, Marian	Eugene
Livermore, Gertrude	Eugene
Lockart, Estelle	Eugene
Lockart, Eugene	Eugene
Locke, Beatrice	Portland
Marshall, Curtis	Eugene
Mast, Leta	Coquille
Matthews, Ada	Cottage Grove
McAlister, Fay	Eugene
McCloskey, Myrl	Myrtle Point
McCluskey, Daisy	Eugene
McCluskey, Mamie	Eugene
McCormack, Helen	Eugene
McGee, Dove	Eugene
McGuire, Marjorie	Portland
McKnight, Mrs. W. L.	San Jose, Calif.
McLaren, Jennette	Portland
McLean, Ruth	Eugene
McMurphy, Ada	Eugene
McMurphy, Lila	Eugene
McReynolds, Doris	Springfield
Merrick, Emerson	Medford
Metcalf, Berenice	Eugene
Middleton, Mrs. A.	Springfield
Millerson, Evelyn	Eugene
Montgomery, Ruth	Eugene
Moore, French	Eugene
Moorhead, Josephine	Junction City
Morris, Beatrice	Eugene
Morris, Eunice	Creswell
Morris, Winnie	Eugene
Murphy, Nell	Eugene
Neil, Warren	Eugene
Newberry, Maude	Medford
Nickelsen, W. D.	Hood River
Olson, Mette	Eugene
Packer, Graynella	Brownsville
Perkins, Leah	Cottage Grove

Name	*Home Address*
Peterson, Curtis	Eugene
Peterson, Della	Eugene
Peterson, Nancy	Eugene
Peterson, Virginia	Astoria
Phinney, George	Eugene
Pierce, Frances	Eugene
Platt, Julia	Portland
Potampa, Florence	Eugene
Powell, Mrs. Rose	Eugene
Powers, Ethelyn	Springfield
Powers, Lucy	Marshfield
Radabaugh, Hazel	Pleasant Hill
Rapp, Lee	Eugene
Reed, Grace	Portland
Richardson, Grace	Park City, Utah
Rohrer, Esther	Eugene
Rorden, Myrtle	The Dalles
Rothrock, Ruth	Athena
Rowland, Gladys	Eugene
Rugh, Gladys	Eugene
Rugh, Irene	Eugene
Schaefers, Ann	Eugene
Schafer, Paul	Eugene
Schenk, Frances	Eugene
Schwarzschild, Minnie	Eugene
Sedgwick, William	Eugene
Sengstake, C.	Eugene
Shelley, Mrs. Frank	Eugene
Sherwin, Mrs. Lillian	Eugene
Smith, Helen	Eugene
Snodgrass, Amy	Eugene
Spangler, Margaret	Eugene
Spencer, Annette	Eugene
Sprague, Paul	Chicago, Ill.
Springer, Marian	Elgin, Ill.
Stafford, Esther	Eugene
Stanton, Ray	Eugene
Stebno, Geneva	Eugene
Steiwer, Ruby	Jefferson
Stephens, Roy	Portland
Stevenson, Mary	Medford
Sykes, Dorris	Springfield
Taylor, Constance	Hood River
Taylor, Lourene	Eugene
Tinker, Martha	Eugene
Tinker, Miriam	Eugene
Tobey, Vera	Eugene
Travis, Fredericka	Eugene
Trezise, Edith	Superior, Colo.
Vawter, William	Medford
Veal, Roberta	Albany
Veatch, Roy	Eugene
Vitus, Robert	Eugene
Wald, Lucile	Eugene
Walling, Gertrude	Springfield
Watkins, Ina	Eugene
Watson, Lucile	Spokane, Wash.
Wells, Harold	Eugene
Wheeler, Dorothy	Eugene
Whitten, Clare	Eugene
Williams, Melba	Eugene
Wilson, Mabel	Natron
Winchell, Gail	Eugene
Witousek, Clara	Cedar Rapids, Iowa
Wood, Mrs.	Eugene
Woodruff, Mildred	Portland
Yoran, Beatrice	Eugene
Yoran, Louise	Eugene
Yoran, Lucile	Eugene
Young, Alice	Eugene
Young, Clifford	Eugene
Young, Ruth	Eugene

SUMMARY OF OFFICERS AND INSTRUCTORS

Administration—		
Regents	14	
Other administrative officers	13	
	—	27
Instruction—		
Academic Colleges and Schools:		
Professors and Assistant Professors	51	
Instructors, Assistant Instructors	18	
School of Music	10	
School of Medicine	28	
School of Law	10	
	—	117
		144
Deducting for names appearing more than once		9
Total officers and instructors		135

SUMMARY OF STUDENTS

Graduate School		17
College of Literature, Science and the Arts:		
Men	459	
Women	342	
	—	801
Summer School		145
School of Law:		
Freshmen	74	
Juniors	69	
Seniors	69	
	—	212
School of Medicine:		
Freshmen	33	
Sophomores	13	
Juniors	16	
Seniors	20	
	—	82
School of Music		234
		1,491
Names appearing more than once		176
Total students in residence		1,315
Correspondence-Study Department		346
Total students in all departments		1,661
Total officers, instructors and students		1,796

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